ORDER NO. AD9302059C8

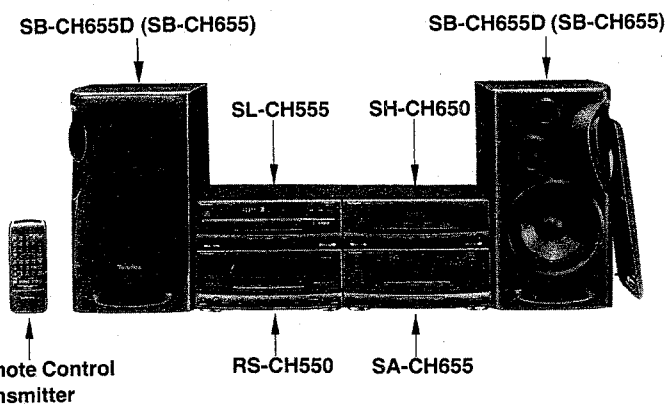
5545

Service Manual

Tuner Amplifier

Tuner Amplifier

SA-CH655



Note:
On the above picture, Model No. SB-CH655D is printed as the system speaker.
The surround speakers are not supplied with model No. SB-CH655.

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

Colour

(K) ..... Black Type

Areas

Suffix for Model No.	Area	Colour
(E)	Europe	(K)
(EB)	Great Britain	
(EG)	Germany and Italy	
(GC)	Asia, Latin America, Middle Near East and Africa	
(GN)	Oceania	

System: SC-CH655

SPECIFICATIONS

(DIN 45 500)

■ MAIN AMP. SECTION

Power output
DIN 1 kHz THD 1%, both channel driven 2×50 W (6Ω)
SPACE MODE
(Only for the system with SB-CH655D)
MAIN 1 kHz THD 1% 2×45 W (6Ω)
SURROUND 1 kHz THD 1% 2×5 W (8Ω)
Total harmonic distortion
Rated power at 1 kHz 1% (6Ω)
Half power at 1 kHz 0.09% (6Ω)
Load impedance
MAIN 6–8Ω
SURROUND 8Ω
S/N (rated power) 84 dB (IHF, A 88 dB)
Frequency response 40 Hz–30 kHz (–3 dB)

■ FM TUNER SECTION

Frequency range 87.50–108.00 MHz (0.05 MHz steps)
Sensitivity 1.8 µV (IHF, usable)
S/N 26 dB 1.5 µV (75Ω)
S/N
MONO 70 dB (75 dB, IHF)
Stereo separation at 1 kHz 35 dB
Antenna terminal(s) 75Ω (unbalanced)

■ AM TUNER SECTION

Frequency range
MW
For (E, EB, EG, GN) areas 522–1611 kHz (9 kHz steps)
530–1620 kHz (10 kHz steps)
For (GC) area 531–1602 kHz (9 kHz steps)
530–1600 kHz (10 kHz steps)
LW
For (E, EB, EG, GN) areas 144–288 kHz (9 kHz steps)
For (GC) area 153–279 kHz (9 kHz steps)
Sensitivity (S/N 20 dB)
MW 500 µV/m
LW 50 µV

■ TIMER SECTION

Clock Quartz-lock type
Function 24-hour programmable; Play timer (1 time)
Rec timer (1 time)
Sleep (120 min. 1 min. intervals)
Setting 1 minute–23 hours. 59 minutes (1 min. intervals)

System	Sound processor	Tuner amplifier	Compact disc player	Cassette deck	Speakers
SC-CH655	SH-CH650	**SA-CH655**	SL-CH555	RS-CH550	SB-CH655 **(Made in PAES)** ..... (E), (EB), (EG) areas SB-CH655D ..... (GC), (GN) areas

Technics

5545

■ **GENERAL**

Power consumption

For (E, EB, EG, GN) areas	166 W
For (GC) area	175 W

Power supply

For (E, EG) areas	AC 50/60 Hz, 230 V
For (EB, GN) areas	AC 50/60 Hz, 230 V–240 V
For (GC) area	AC 50/60 Hz, 110/127/220/240 V

Dimension (W×H×D)	270×119×332 mm
Weight	5.5 kg

Notes:

1. Specifications are subject to change without notice. Weight and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

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■ BEFORE REPAIR

(1) Turn off the power supply. Using a 10Ω, 10 W resistor, connect both ends of power supply capacitors (C701, C702) in order to discharge the voltage.

(2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50/60 Hz in NO SIGNAL mode is mode should be shown below with respect to supply voltage 110 V/127 V/ 220 V/240 V.

Power supply voltage	AC 110~127 V	AC 220~240 V	AC 230 V	AC 240 V
Consumed current 50 Hz	250~350 mA	95~175 mA	100~190 mA	95~175 mA

■ PROTECTION CIRCUITRY

The protection circuitry may have operated if either of the following conditions is noticed:
*No sound is heard when the power is switched ON.
*Sound stops during a performance.
The functions of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.
If this occurs, follow the procedure outlined below:

1. Switch OFF the power.
2. Determine the cause of the problem and correct it.
3. Switch ON the power once again.

Note:
When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

■ BEFORE USE FOR (GC) AREA

Be sure to disconnect the mains cord before adjusting the voltage selector.
Use a minus (−) screwdriver to set the voltage selector (on the bottom of the tuner amplifier) to the voltage setting for the area in which the unit will be used.

(If the power supply in your area is 117 V or 120 V, set to the "127 V" position.)
Note that this unit will be seriously damaged if this setting is not made correctly. (There is no voltage selector for some countries; the correct voltage is already set.)

THIS TUNER/RECEIVER IS CAPABLE OF RECEIVING THE NEW AM STEREO BROADCASTS FROM THE AM BAND RADIO STATIONS. HOWEVER LIKE MANY TUNERS AND RECEIVERS CURRENTLY AVAILABLE ON THE MARKET IT WILL REPRODUCE THIS AM STEREO SIGNAL ONLY IN AM MONO, WHICH, IN EFFECT, IS OF NO LESSER QUALITY THAN YOUR EXISTING AM MONO TUNER/RECEIVER.

■ CAUTION FOR AC MAINS LEAD (For United Kingdom)

("EB" area code model only)
For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⓐ or the BSI mark ♡ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local Dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

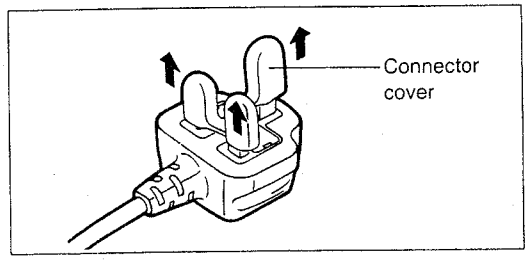
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol ⏚.

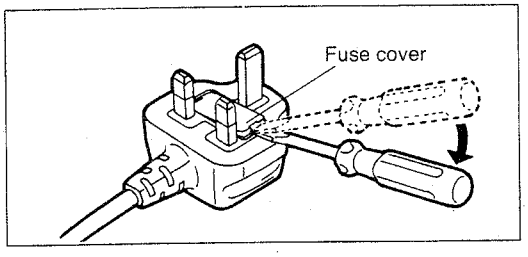
Before use

Remove the connector cover as follows.

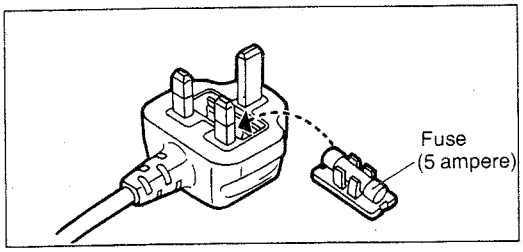


How to replace the fuse

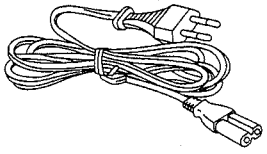
1. Remove the fuse cover with a screwdriver.



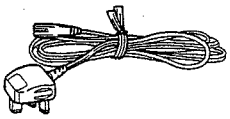
2. Replace the fuse and attach the fuse cover.



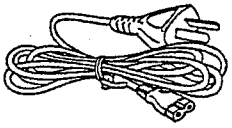
■ ACCESSORIES



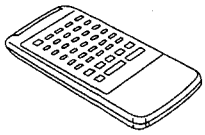
•AC power supply cord
for (E, EG, GC) areas (RJA0019-2K) ..... 1 pc.



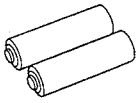
for (EB) area (VJA0733)..... 1 pc.



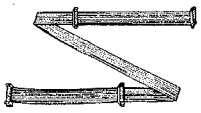
for (GN) area (SJA173) ..... 1 pc.



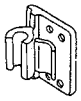
•Remote control transmitter
(RAK-SC003WH) ..... 1 pc.



•Remote control batteries
(UM-4, AAA, R03) ..... 2 pcs.
Note: These are available on sale route.

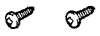


•Flat cable
(REX0462) ..... 1 pc.

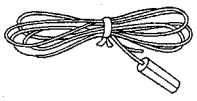


•Antenna holder
(SMA233-1M) ..... 1 pc.

•LW/MW loop antenna
(SPB1163T)..... 1 pc.

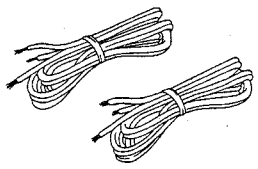


•Mounting screws
(XTN3+10AFZ) ..... 2 pcs.



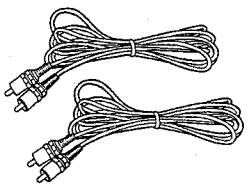
•FM indoor antenna
for (E, EB, EG) areas (RSA0007) ..... 1 pc.
for (GC, GN) areas (RSA0006) ..... 1 pc.

•Attachment plug
for (EB) area (SJP9009)..... 1 pc.



•Speaker cords
(SWXS257M) ..... 2 pcs.

•Power plug adaptor
for (GC) area (SJP5213-2) ..... 1 pc.



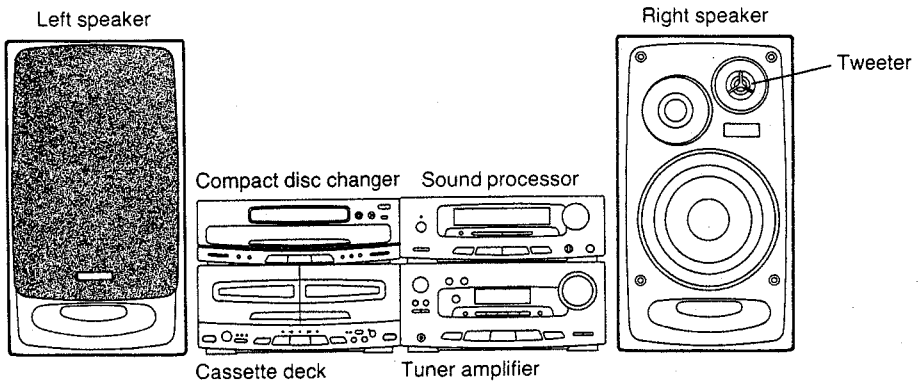
•Surround speaker cords
for (GC, GN) areas (RJL1P001B25) ..... 2 pcs.

Note:
The configurations of AC power supply cord and FM indoor antenna differ according to area.

■ STACKING THE COMPONENTS

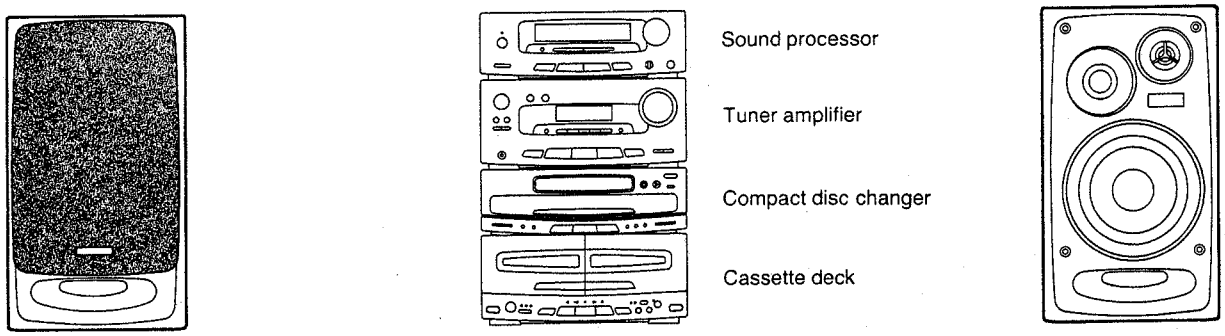
Install the various components as shown below.

■ Horizontal stacking

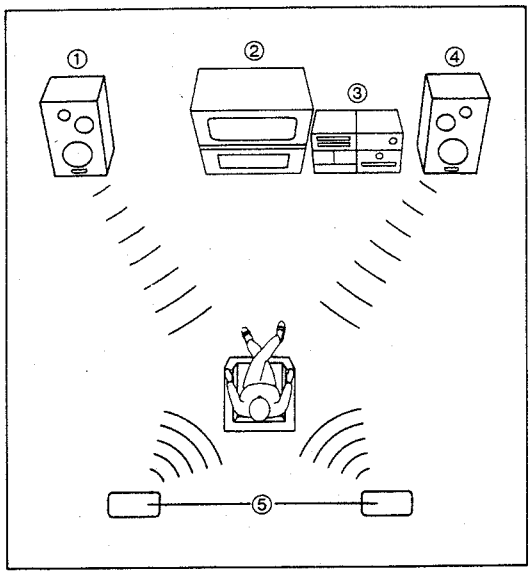


Place both speakers so that the tweeter comes outward.

■ Vertical stacking



■ System layout



① Left speaker

② Television set (not included)

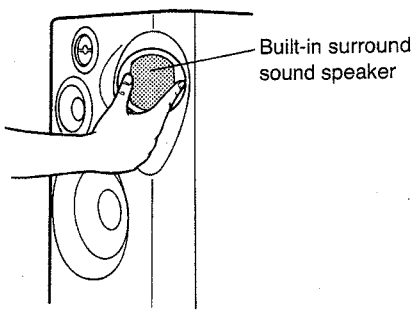
③ This system

④ Right speaker

⑤ Surround speakers (not included)

To produce a better stereo sound, install both speakers away from the system.
Surround sound effect differs according to where you install the surround speakers. Install them as you like.

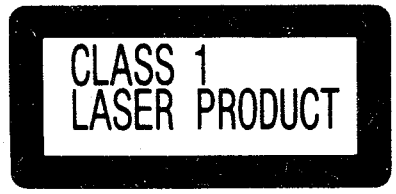
(Only for the system with SB-CH655D):
Place both speakers so that the built-in surround speaker comes outward.



When you select the SPACE mode, you can get the surround sound effect.
Install the speakers as illustrated left, and adjust the angle of the built-in surround speakers as you like.

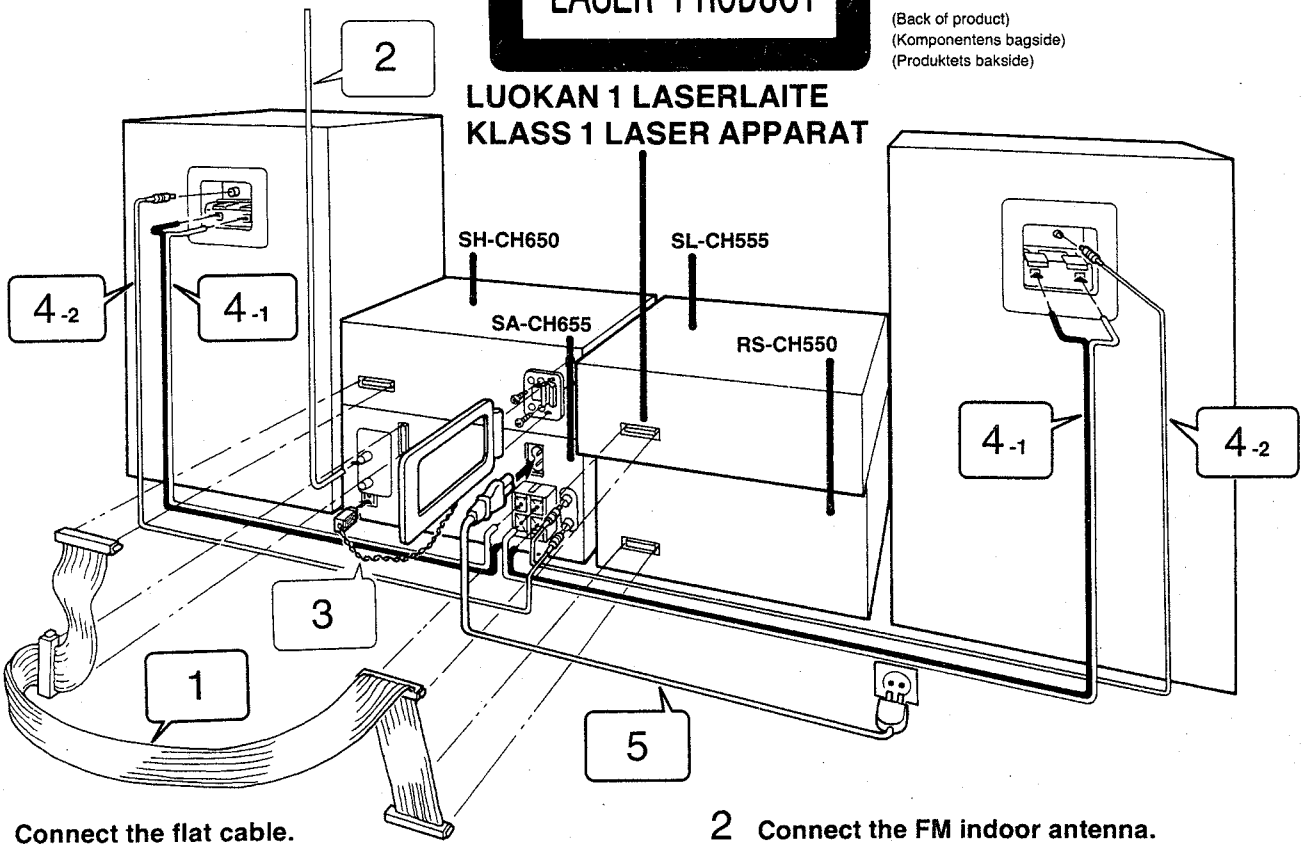
■ CONNECTIONS

The illustration below shows the system with SB-CH655D.



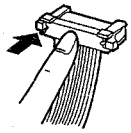
Note:
The configurations of AC outlet, AC power supply cord, and FM antenna terminals differ according to area.

(Back of product)
(Komponentens bagside)
(Produktets bakside)

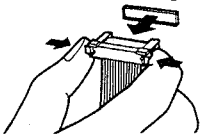


1 Connect the flat cable.

Connecting



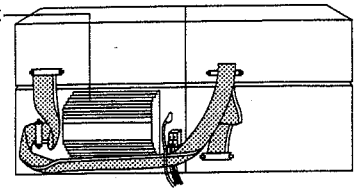
Disconnecting



Hold the connector with the recessed part up and press in at the center until you hear a click.
First connect the blue-colored connector to the terminal of the sound processor (A), then connect the rest in the order B, C, D.
Route the cable horizontally (underneath the heat outlet grille) so that the side with the white-color lead is positioned at the front.

After connection, fold and press the cable as flat to the back of the unit as possible.

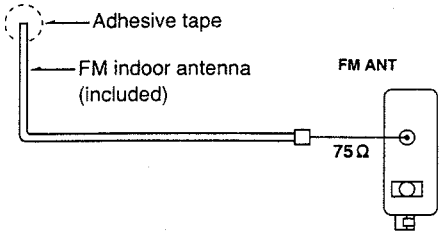
Heat outlet grille



Do not try connecting or disconnecting the flat cable while the power is switched to ON.

2 Connect the FM indoor antenna.

Install the antenna on a wall at a height and in a direction which result in the best reception.



The tip of the internal antenna wire should not come into contact with any metal objects.
When you cannot get a good reception with this FM indoor antenna, we recommend you install an FM outdoor antenna (not included. See page 8). Disconnect the FM indoor antenna if you install an FM outdoor antenna.

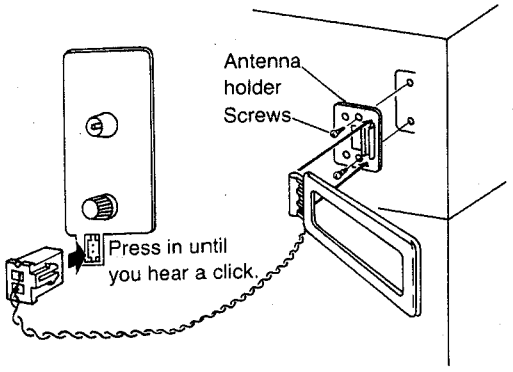
3 Connect the LW/MW loop antenna.

1. Attach the antenna holder with screws (included) to the rear panel of the sound processor.
2. Clamp the antenna to the antenna holder and connect the antenna terminal to the rear panel of the tuner amplifier.
3. Position the loop for the best reception.

You may attach the LW/MW antenna holder to a rack or other structure.

Notes:

- To minimize noise pickup, keep the LW/MW loop antenna away from the speaker cable, power cord, and metal surfaces.
- For better reception, keep the LW/MW loop antenna cord along the heat outlet grille, and away from the flat cable.

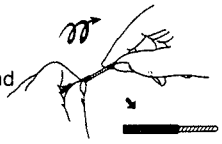


4-1 Connect the speaker cables.

Note:
Be sure to connect speaker cables before connecting the AC power supply cord.

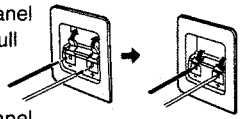
Connection of speaker cables

1. Strip off the outer covering, and twist the center conductor.

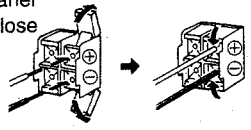


Make sure the bare ends of the wires are not unraveled. (If they are, twist them tight again.)

2. Insert the wire to the rear panel of the speakers, and then pull down the lever.

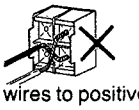


3. Insert the wire to the rear panel of the tuner amplifier, and close the lever.



Notes:

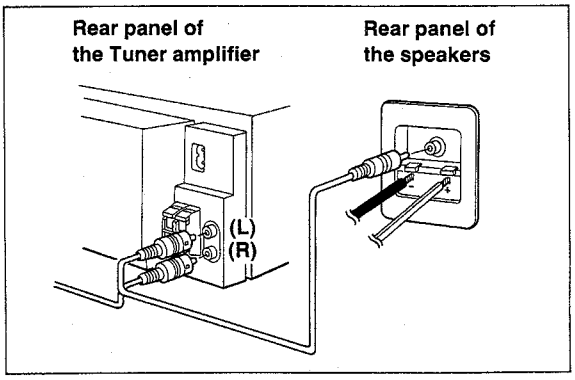
- To prevent damage to circuitry, never short-circuit positive (+) and negative (−) speaker wires.



- Be sure to connect only positive (red) wires to positive (+) terminals and negative (black) wires to negative (−) terminals.

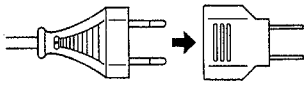
4-2 Connect the surround speaker cords.

(Only for the system with SB-CH655D)



5 Connect the AC power supply cord after you have connected all other cables and cords.

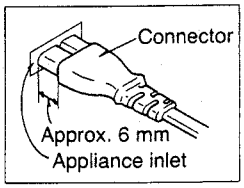
For areas except Europe, Australia and New Zealand
If the power plug will not fit your socket, use the power plug adaptor (included).



For areas except Australia and New Zealand

Insertion of Connector

Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing.
However there is no problem using the unit.



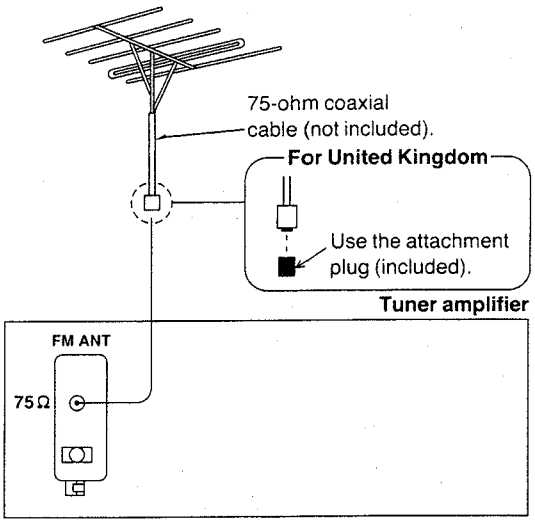
■ Optional antenna connections

FM outdoor antenna (not included)

If the FM indoor antenna does not provide satisfactory reception of FM broadcasts, use an outdoor antenna.

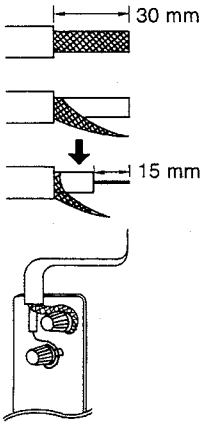
You may need an outdoor antenna if you use this system in a mountainous region or inside a reinforced-concrete building, etc. An outdoor antenna should be installed by a competent technician only.

FM outdoor antenna



For areas except Europe
(FM outdoor antenna)

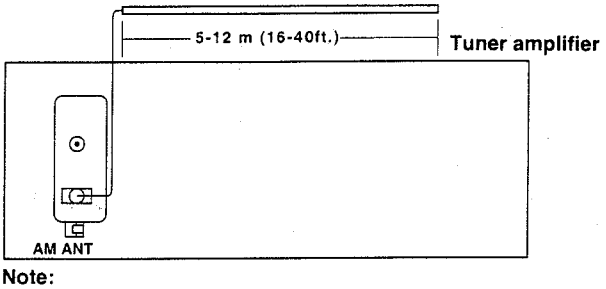
1. Remove a piece of the outer vinyl sheath from the end of the cable.
2. Bundle the shield braid, and remove a piece of the inner vinyl sheath covering the core wire.
3. Connect the core wire and the shield braid.



LW/MW outdoor antenna (not included)

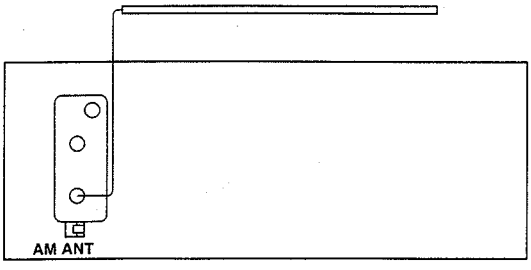
An outdoor antenna may be required in a mountainous region, or if this system is located inside a reinforced-concrete building, etc.

Run 5 to 12 m of vinyl-covered wire horizontally along a window or other convenient location.



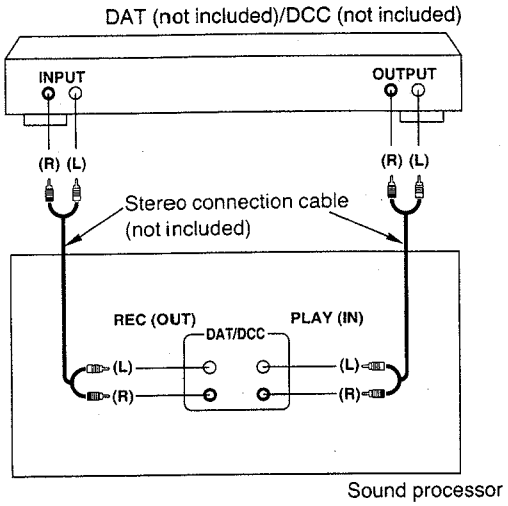
Note:
Do not remove the LW/MW loop antenna.

For areas except Europe

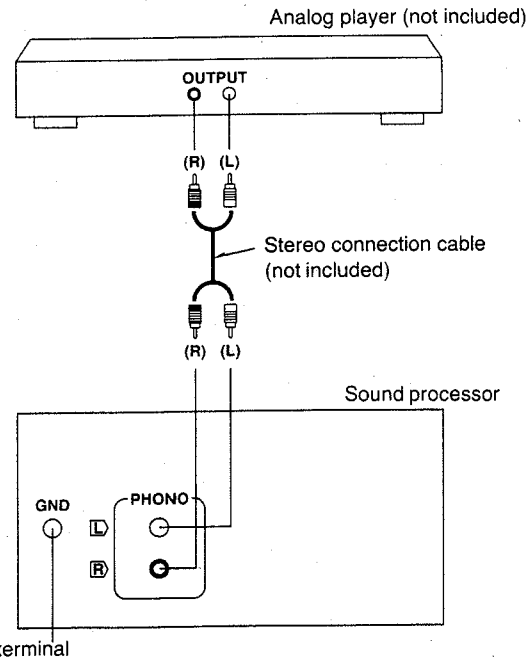


■ External unit connection

DAT (digital audio tape deck)/ DCC (digital compact cassette deck)



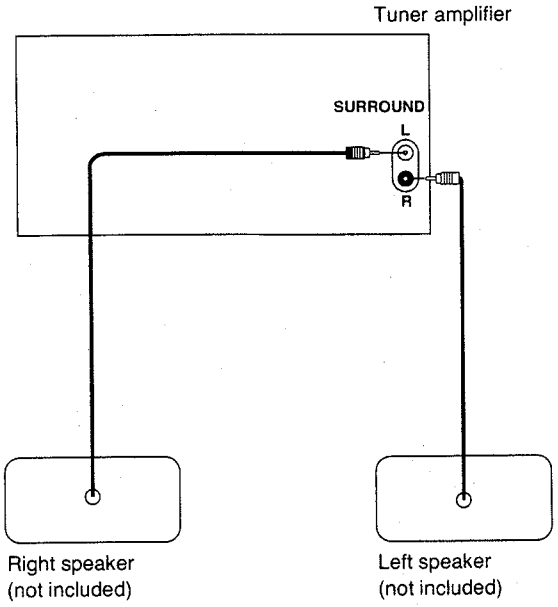
Analog player



"GND" terminal
This terminal is for a ground wire use.

For the set with "AUX" terminal instead of "PHONO"; Use an analog player which has built-in phono equalizer.

Rear surround speakers



Notes:

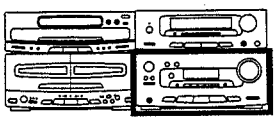
- Be sure to connect both speaker systems. If only one side is connected, no sound will be heard.
- Install each speaker left and right at the back of the listening space.

(Only for the system with SB-CH655D):

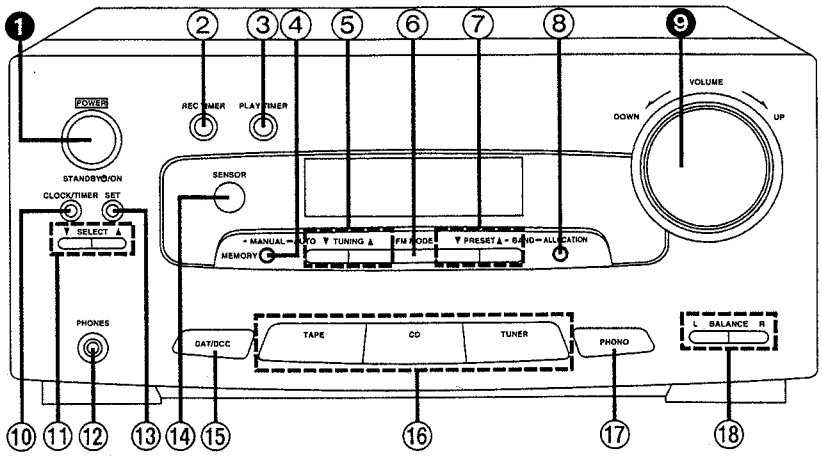
Disconnect the surround speaker cords provided for the system (see step 4-2 on page 7) when connecting the optional surround speaker system.

■ LOCATION OF CONTROLS

The functions indicated by the numbers with black background (for example ❶) can also be activated from the remote control.



•According to the area, there is a set with ⑰ AUX instead of ⑰ PHONO.



❶ **Power "STANDBY ⏻/ON" switch (POWER, STANDBY ⏻/ON)**
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

② **Timer recording button (REC TIMER)**
Press to confirm, exit or reset the record timer.

③ **Timer play button (PLAY TIMER)**
Press to confirm, exit or reset the play timer.

④ **Preset memory button (MEMORY, -MANUAL, –AUTO)**
Press to put a broadcast station into the memory.

⑤ **Tuning buttons (▼ TUNING ▲)**
Use to tune in a desired broadcast station.

⑥ **FM mode button (FM MODE)**
Press to select the FM listening mode (stereo or monaural) during FM broadcasts.

⑦ **Preset tuning buttons (▼ PRESET ▲)**
Use to select channel number for a broadcast station which has been stored in the tuner's memory.

⑧ **Band select/allocation change button (-BAND –ALLOCATION)**
Press to select the MW, LW or FM radio band.
Press and hold to change the MW frequency step.

❾ **Volume level control (VOLUME)**
Turn to adjust the volume level.
Note that –– dB is the lowest volume setting and 0 dB is the highest.

⑩ **Clock/timer button (CLOCK/TIMER)**
Press to select the clock set mode or desired timer mode.

⑪ **Timer select buttons (▼ SELECT ▲)**
Use when setting the current time and timer.

⑫ **Headphones jack (PHONES) (∅3.5, 32Ω)**
Plug headphones cord into this jack.

⑬ **Setting button (SET)**
Press to set the present time in the clock mode, or set the various selection in the timer mode.

⑭ **Remote control signal sensor (SENSOR)**
Receives the signals from the remote control.

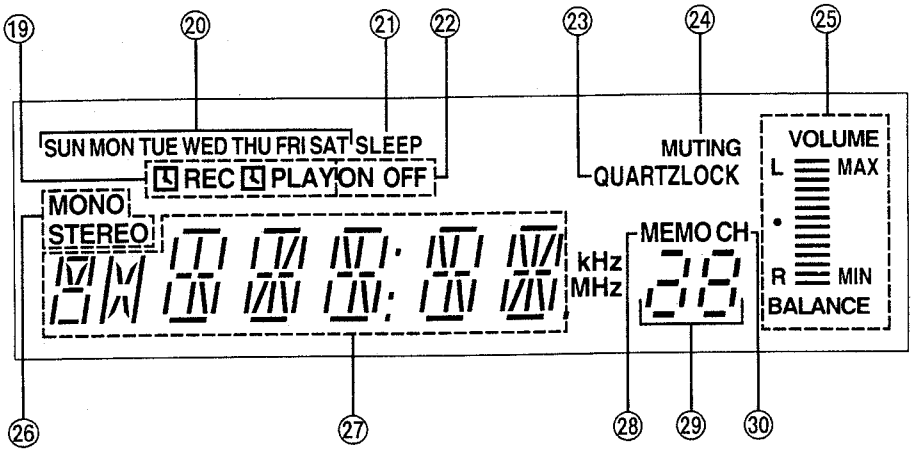
⑮ **DAT/DCC input select button (DAT/DCC)**
(Only when you connect the DAT or DCC to this system) Press to select the DAT/DCC source.

⑯ **Input select buttons (TAPE, CD, TUNER)**
Press to select the sound source.

⑰ **PHONO input select button (PHONO)**
(Only when you connect an analog player to the PHONO terminal of this unit) Press to select the PHONO source.

⑱ **Balance adjustment buttons (L BALANCE R)**
Use to adjust the volume balance between left and right speakers.

•Display section



⑲ **Timer mode indicators (REC, PLAY)**
REC: Lights when you have set the record timer mode.
PLAY: Lights when you have set the play timer mode.

⑳ **Day indicators (SUN–SAT)**
Shows the day of the week or the day the timer has been set for.

㉑ **Sleep timer indicator (SLEEP)**
Lights when you have set the sleep timer mode.

㉒ **Timer on/off indicator (ON, OFF)**
Lights together with the setting time to show the timer ON time and OFF time.

㉓ **Quartz lock indicator (QUARTZLOCK)**
Lights when you precisely tune in a broadcast station.

㉔ **Muting indicator (MUTING)**
Lights when you activate the muting mode.

㉕ **Volume level/balance display (VOLUME, L • R BALANCE)**
Shows the volume level and left-right balance.

㉖ **FM STEREO/MONO indicator (MONO, STEREO)**
"STEREO" lights when an FM stereo broadcast is being received. If you press this button to select monaural mode, "MONO" lights.

㉗ **Alpha-numeric display**
Shows the selected source, present time, and the contents of the timer setting, received frequencies, volume level.

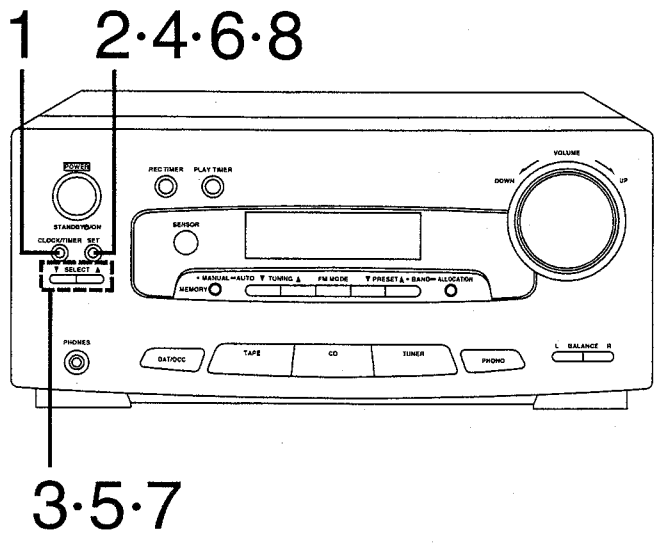
㉘ **Memory indicator (MEMO)**
Lights when the preset memory button is pressed.

㉙ **Preset channel display**
Shows the preset channel you select.

㉚ **Channel indicator (CH)**
Lights when the unit is in the preset tuning mode.

■ SETTING THE TIME OF DAY

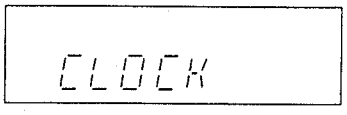
These instructions explain how to set the time for 16:25 (4:25 p.m.) on Wednesday.



Switch on the power.

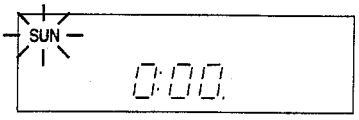
1 Press CLOCK/TIMER to select "CLOCK".

The display will show CLOCK.
The display will return to what was previously indicated if you allow 7 or more seconds to elapse before you accomplish the next operation.

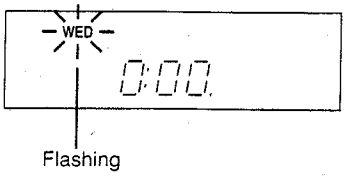


2 Press SET.

The day indicator will start to flash.



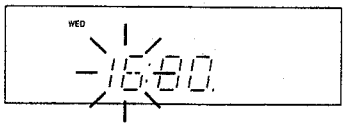
3 Press one of the SELECT buttons to select "WED".



4 Press SET.

5 Press one of the SELECT buttons to select "16".

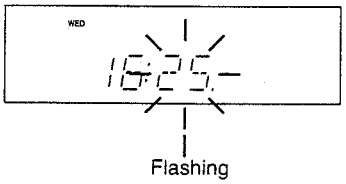
Going from 23:59 to 0:00 on the hour display will not change the day display.



6 Press SET.

7 Press one of the SELECT buttons to select "25".

Going from 59 to 00 on the minute display will not change the hour display.



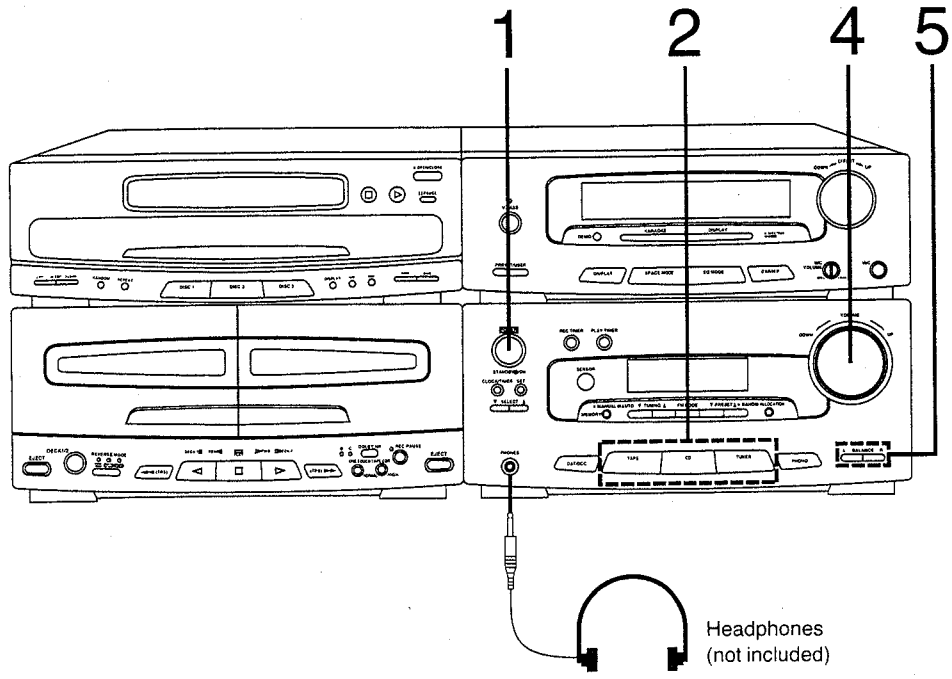
8 Press SET to finish setting the time.

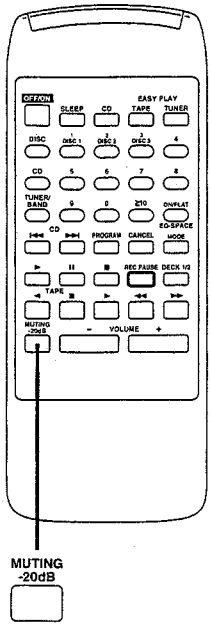
After about 2 seconds, the display will return to what it were before entering the clock setting mode.

To display the clock again, press CLOCK/TIMER. The display will show "CLOCK", and then clock will appear for 5 seconds.

"E" appears on the display if the power cord has been once disconnected or there has been a power failure. If this happens, reset the time.

■ BASIC OPERATING PROCEDURE





1 **Press POWER STANDBY ⏻/ON to switch on the power.**

2 **Select the sound source by pressing TAPE, CD, or TUNER.**
The display of the selected source will appear. If you press a different sound source while listening to a compact disc or tape, the disc or tape automatically stops playing.

3 **Start the sound source.**

4 **Adjust the volume level.**

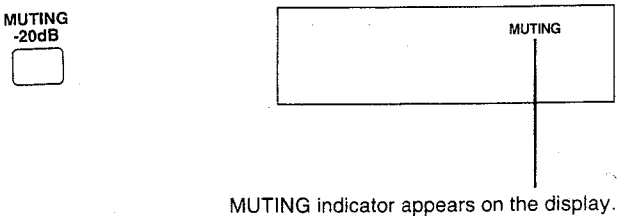
5 **Adjust the left-right volume balance.**
Pressing BALANCE buttons simultaneously will restore the balance to the center position.
Perform fine balance adjustment while playing the selected music source. The balance display is only a rough quick.

Note:
Before you set the system to the standby mode, be sure to reduce the volume level to prevent the extremely high output from the tuner amplifier from damaging the speakers.

How to mute the volume

(Only from the remote control)

Press MUTING on the remote control.



MUTING indicator appears on the display.

Cancel the muted state by pressing the muting button once again or reduce the volume level to the minimum position and then reset to the desired volume.

How to use headphones

Reduce the volume level.
Connect the headphones to the headphones jack.

Avoid listening for prolonged periods of time to prevent hearing damage.

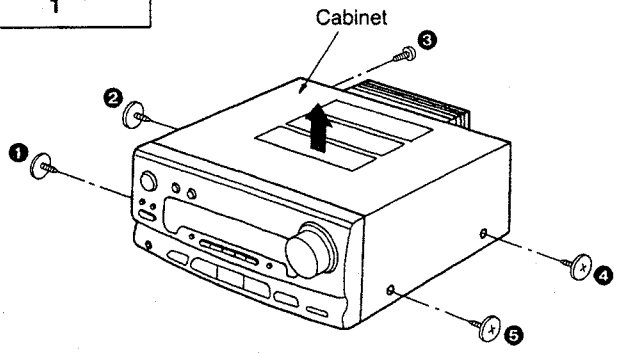
Plug type: Stereo mini

■ DISASSEMBLY INSTRUCTIONS

"ATTENTION SERVICER"
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

Ref. No. 1	Removal of the Cabinet

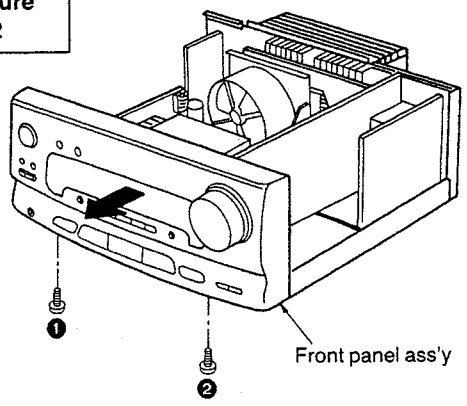
Procedure 1



1. Remove the 5 screws (❶~❺).
2. Remove the cabinet in the direction of arrow.

Ref. No. 2	Removal of the Front Panel Ass'y

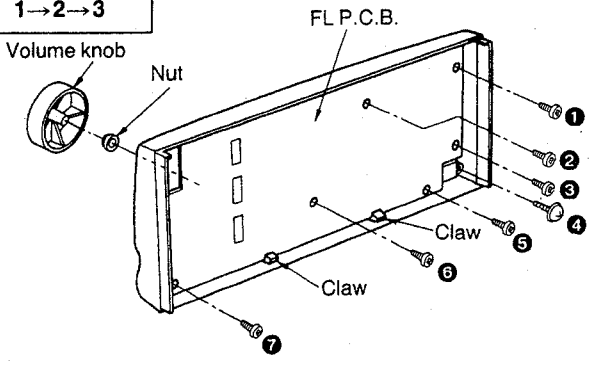
Procedure 1→2



1. Remove the 2 screws (❶, ❷).
2. Remove the front panel ass'y in the direction of arrow.

Ref. No. 3	Removal of the FL P.C.B.

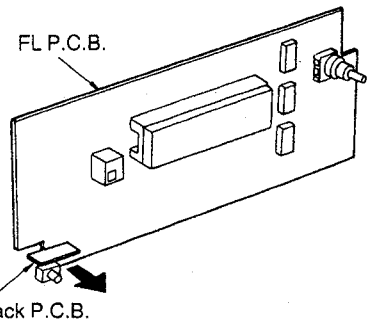
Procedure 1→2→3



1. Pull out the volume knob.
2. Remove the nut.
3. Remove the 7 screws (❶~❼).
4. Release the 2 claws.

Ref. No. 4	Removal of the Headphones Jack P.C.B.

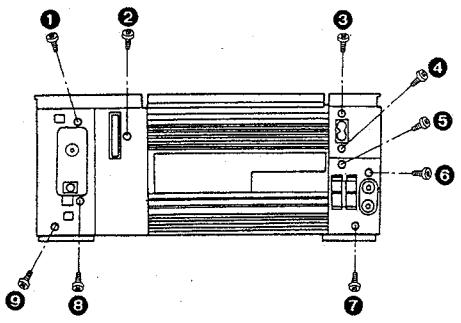
Procedure 1→2→3→4



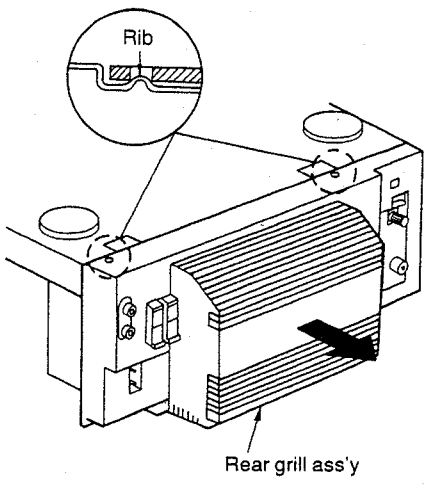
●Remove the headphones jack P.C.B. in the direction of arrow.

Ref. No. 5	Removal of the Rear Grill Ass'y

Procedure 1→5



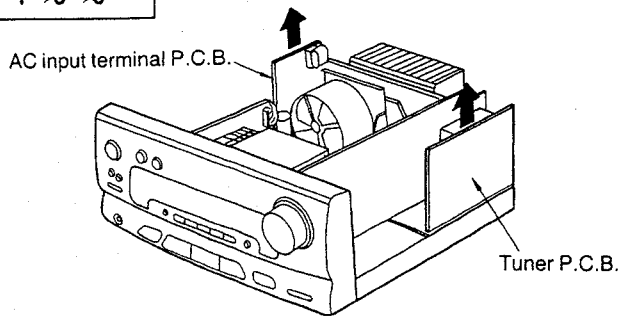
1. Remove the 9 screws (❶~❾).



2. Remove the 2 ribs.
3. Remove the rear grill ass'y in the direction of arrow.

Ref. No. 6	Removal of the AC Input Terminal P.C.B. and Tuner P.C.B.

Procedure
1→5→6



■ Removal of the AC Input Terminal P.C.B.

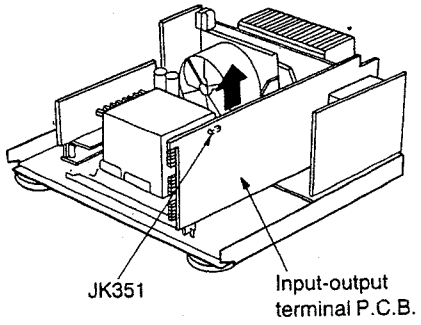
- Remove the AC input terminal P.C.B. in the direction of arrow.

■ Removal of the tuner P.C.B.

- Remove the tuner P.C.B. in the direction of arrow.

Ref. No. 7	Removal of the Input-output Terminal P.C.B.

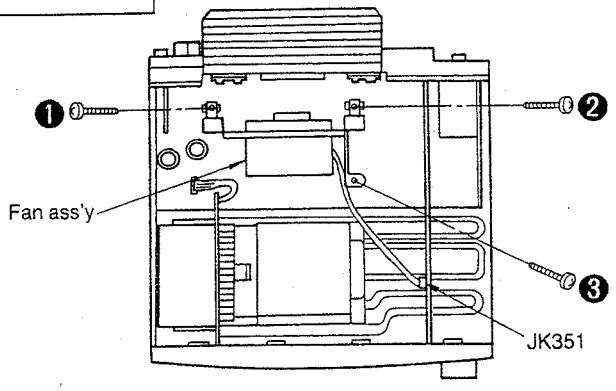
Procedure
1→2→5→7



1. Remove the 1 connector (JK351).
2. Remove the input-output terminal P.C.B. in the direction of arrow.

Ref. No. 8	Removal of the Fan Ass'y

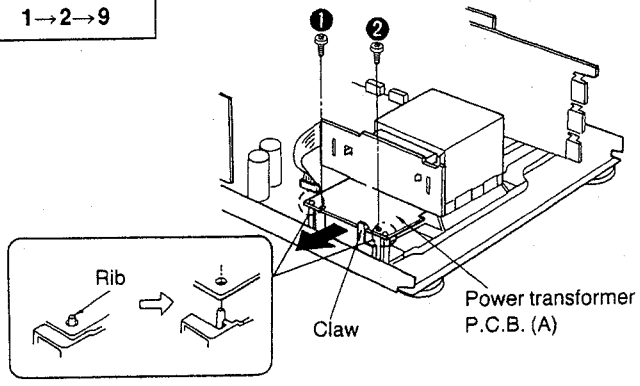
Procedure
1→8



1. Remove the 1 connector (JK351).
2. Remove the 3 screws (❶~❸).

Ref. No. 9	Removal of the Power Transformer P.C.B. (A)

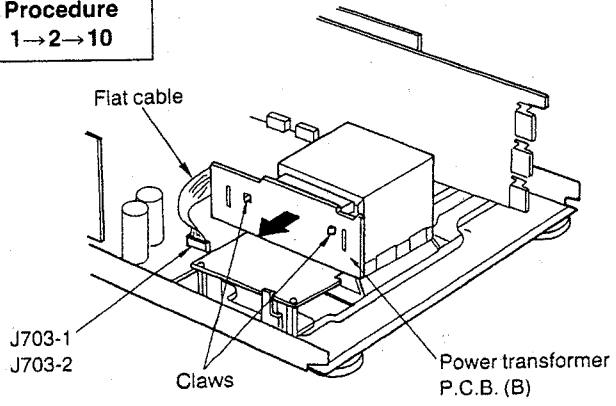
Procedure
1→2→9



1. Remove the 2 screws (❶, ❷).
2. Release the 1 claw.
3. Remove the 2 rib.
4. Remove the power transformer P.C.B. (A) in the direction of arrow.

Ref. No. 10	Removal of the Power Transformer P.C.B. (B)

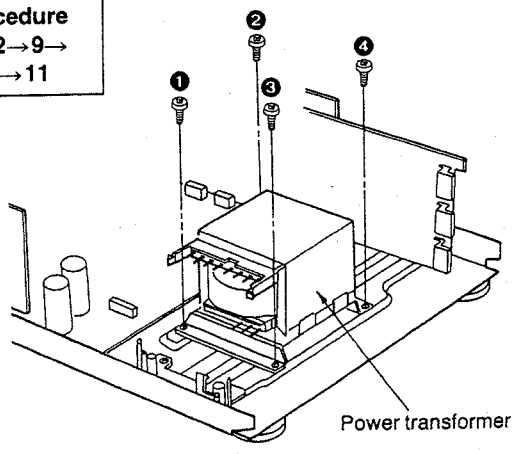
Procedure
1→2→10



1. Remove the 1 flat cable (J703-1, J703-2).
2. Release the 2 screws.
3. Remove the power transformer P.C.B. (B) in the direction of arrow.

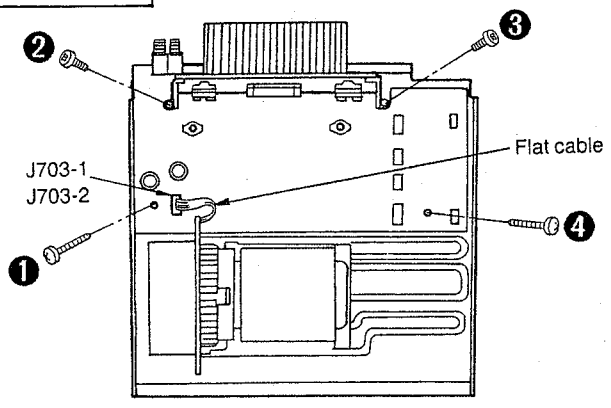
Ref. No. 11	Removal of the Power Transformer

Procedure
1→2→9→10→11



- Remove the 4 screws (❶~❹).

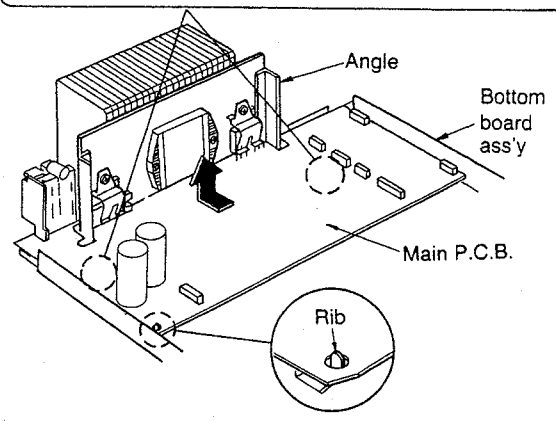
Ref. No. 12	Removal of the Main P.C.B.
Procedure 1→2→5→ 6→7→8→12	



1. Remove the 4 screws (❶~❹).
2. Remove the 1 flat cable (J703-1, J703-2).

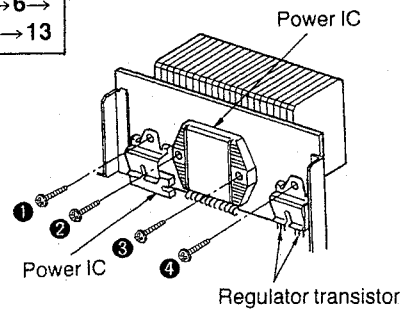
■ NOTE
- Insert the projection on the angle into the hole of the bottom board ass'y and then install the Main P.C.B.

[Bottom view]



3. Remove the rib.
4. Remove the main P.C.B. in the direction of arrow.

Ref. No. 13	Removal of the Power IC and Regulator Transistor
Procedure 1→2→5→6→ 7→8→12→13	

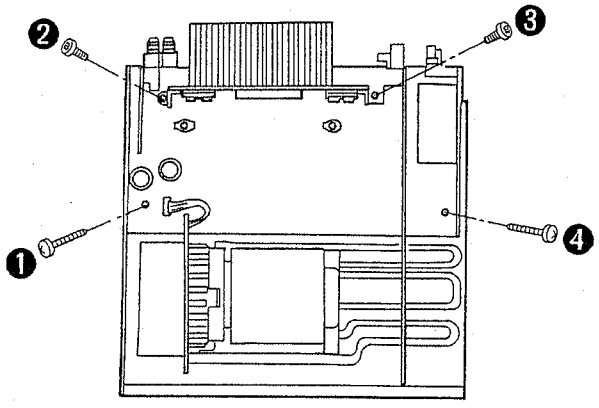


1. Unsolder the power IC or regulator transistors.
2. Remove the 4 screws (❶~❹).

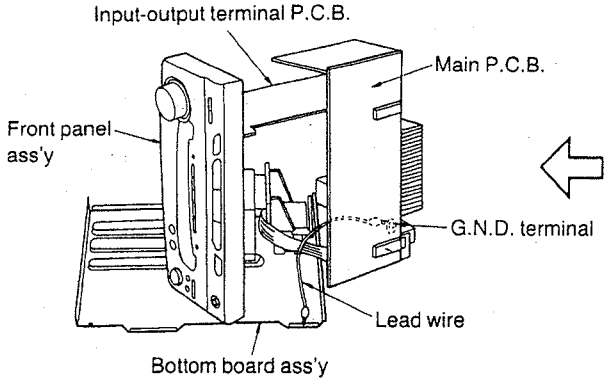
- When mounting the power IC or regulator transistor, apply silicone compound (RFKX0002) to the rear side of power IC or regulator transistors.

Ref. No. 14	How to check the Main P.C.B.
Procedure 1→2→5→ 8→14	

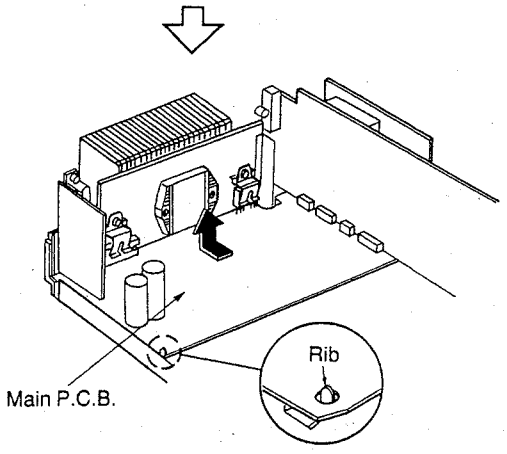
- When checking the soldered surfaces of main P.C.B. and replacing the parts, do as show.



1. Remove the 4 screws (❶~❹).



4. Connect the G.N.D. terminal to the bottom board ass'y by the lead wire.
5. Reinstall the front panel ass'y to the input-output terminal P.C.B.



2. Remove the rib.
3. Remove the main P.C.B. in the direction of arrow.

Ref. No. 15	Removal of the Fan Ass'y
Procedure 1→8→15	

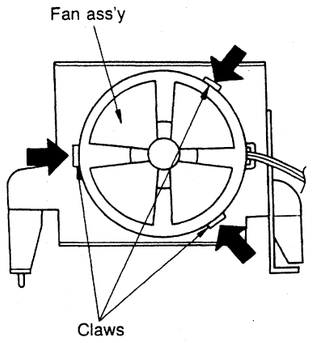


Fig. 1

1. Release the 3 claws (shown in Fig. 1).

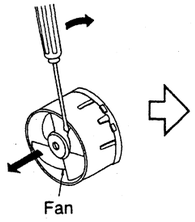


Fig. 2

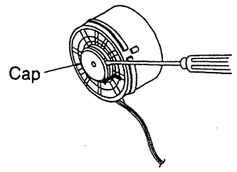


Fig. 3

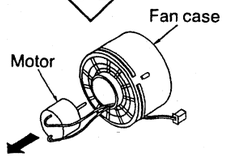


Fig. 4

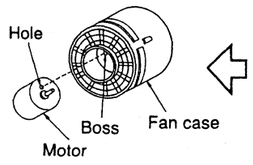
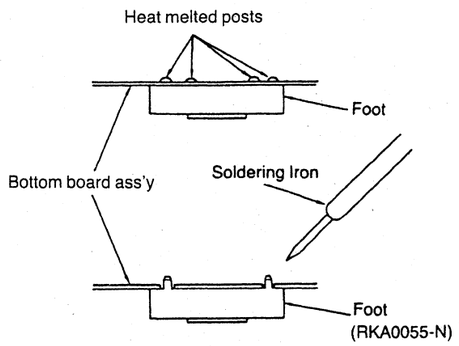


Fig. 5

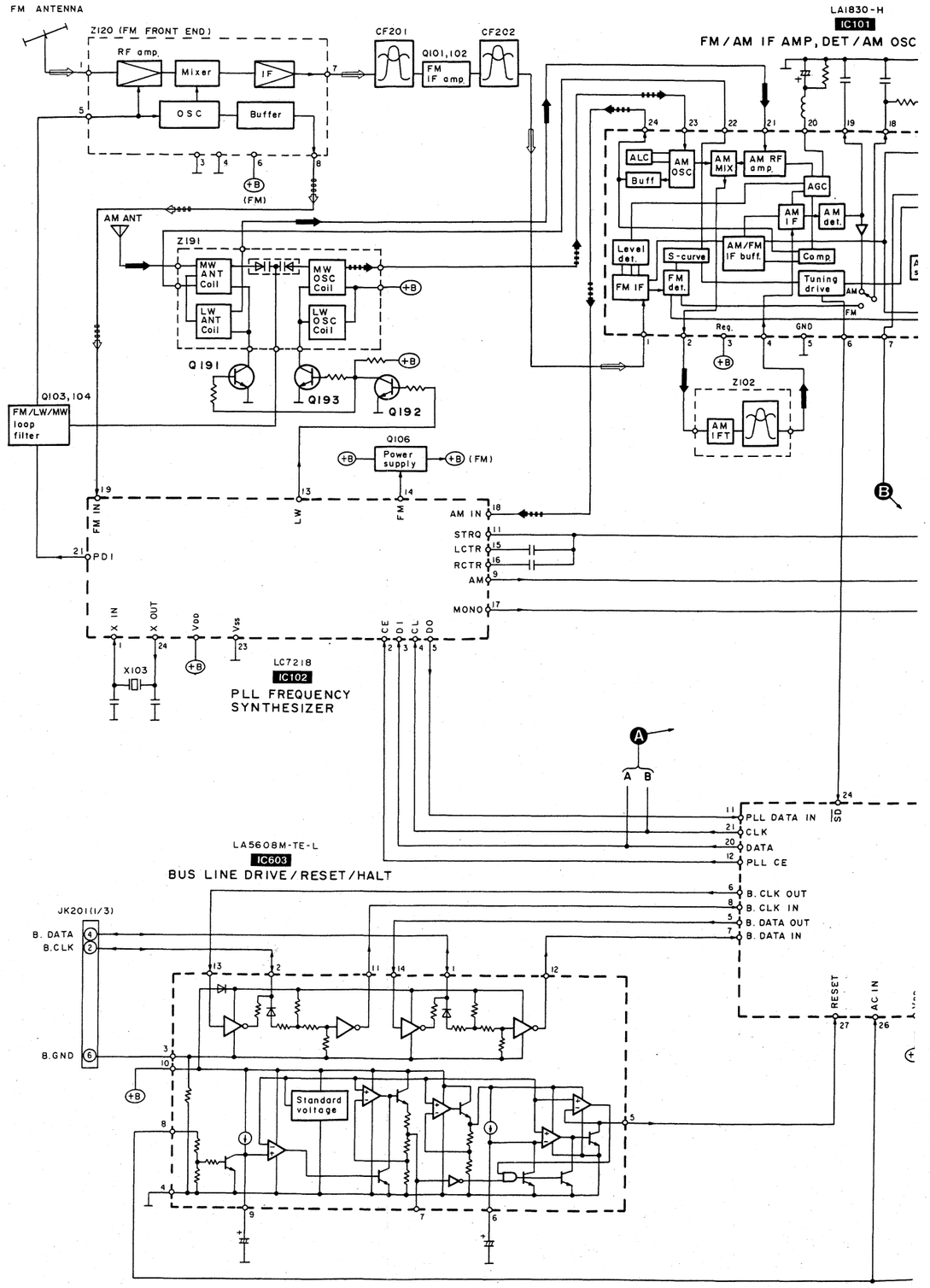
2. Insert a screwdriver at the root of the fan (shown in Fig. 2).
3. Remove the cap (shown in Fig. 3).
4. Remove the motor from the fan case (shown in Fig. 4).
5. When mounting the motor, align the fan case projection with the hole of the motor (shown in Fig. 5).

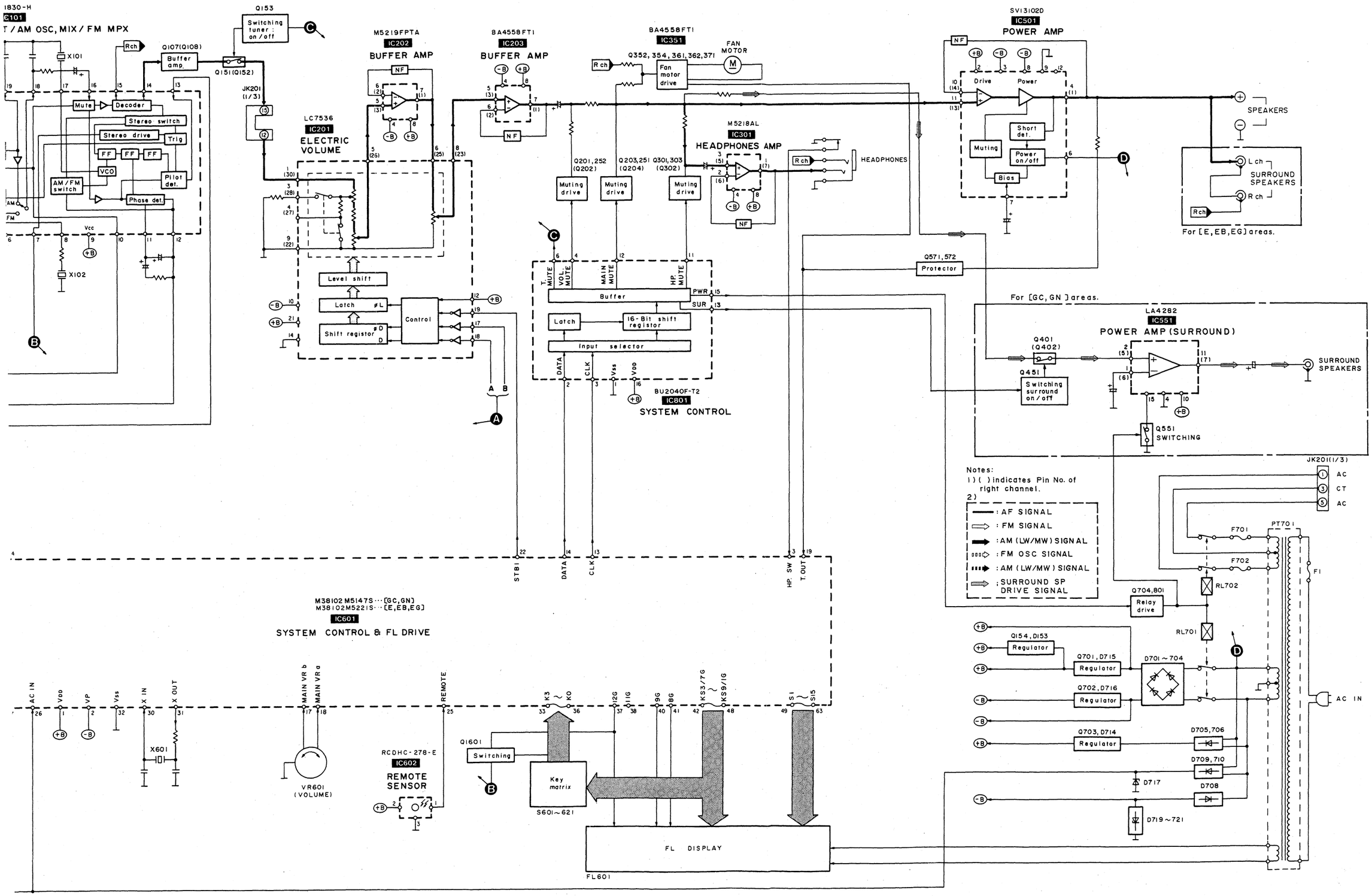
•Replacement of the Foot.

1. Remove the 4 heat melted posts on the bottom board ass'y with a pair of nippers or similar tool.
2. To replace the foot (RKA0055-N) on the bottom board ass'y, melt the 4 posts with a soldering iron.

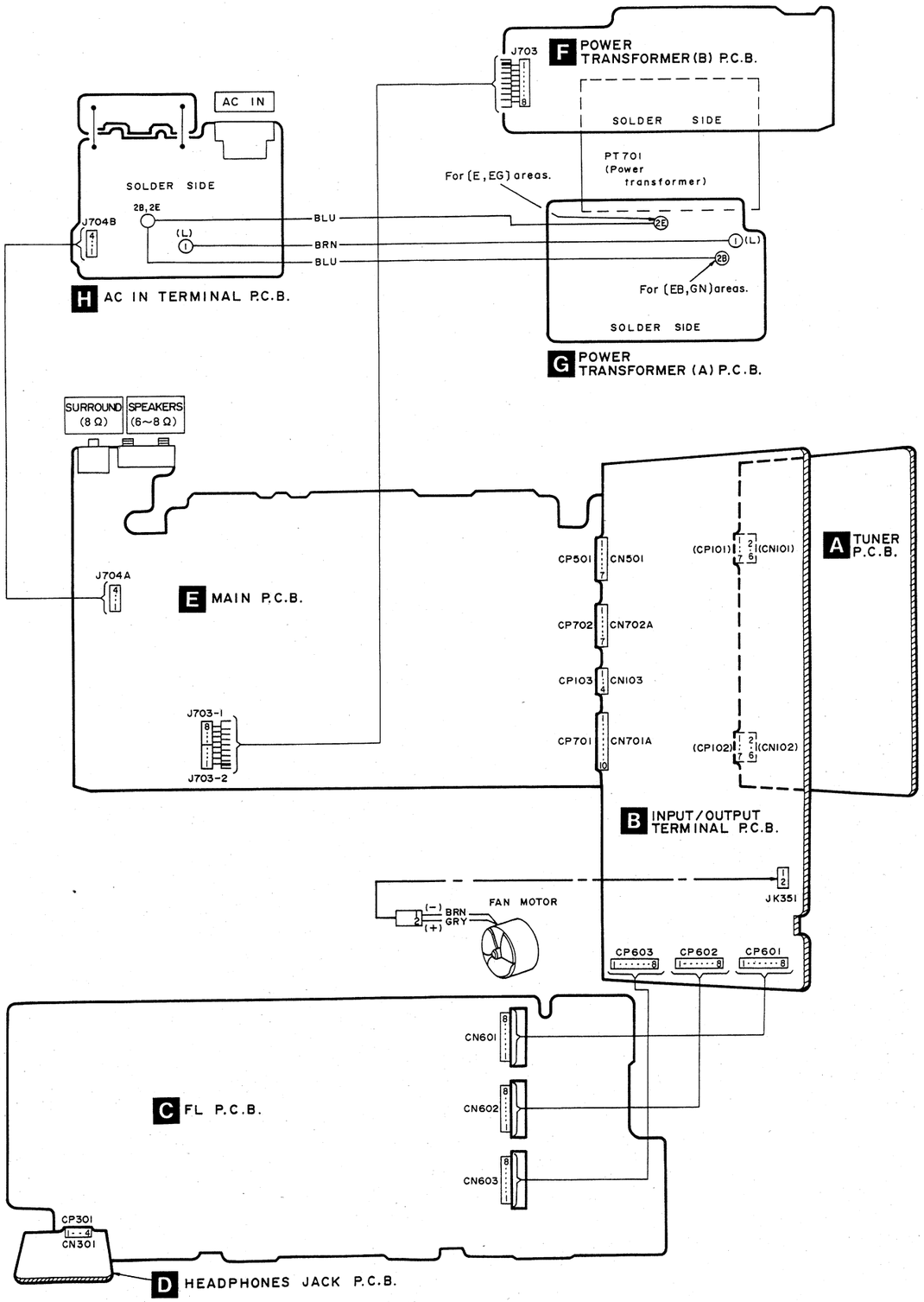


■ BLOCK DIAGRAM




1830-H
IC101
T / AM OSC, MIX / FM MPX
X101
X102
Rch
Q107(Q108)
Buffer amp.
Mute
Decoder
Stereo switch
Stereo drive
Trig
FF
VCO
Pilot det.
AM / FM switch
Phase det.
Vcc
Q153
Switching tuner on / off
Q151(Q152)
JK201 (1/3)
LC7536
IC201
ELECTRIC VOLUME
Level shift
Latch #L
Shift registor #D D
Control
M5219FPTA
IC202
BUFFER AMP
BA4558FTI
IC203
BUFFER AMP
BA4558FTI
IC351
Q352, 354, 361, 362, 371
Fan motor drive
FAN MOTOR
M5218AL
IC301
HEADPHONES AMP
HEADPHONES
Q201, 252 (Q202)
Q203, 251 (Q204)
Q301, 303 (Q302)
Muting drive
SV131020
IC501
POWER AMP
Drive
Power
Short det.
Muting
Power on/off
Bias
SPEAKERS
L ch
SURROUND SPEAKERS
R ch
For [E, EB, EG] areas.
Q571, 572
Protector
For [GC, GN] areas.
LA4282
IC551
POWER AMP (SURROUND)
Q401 (Q402)
Q451
Switching surround on / off
SURROUND SPEAKERS
Q551
SWITCHING
T. MUTE
VOL. MUTE
MAIN MUTE
HP. MUTE
Buffer
PWR
SUR
Latch
16-Bit shift registor
Input selector
DATA
CLK
Vss
Vdd
BU2040F-T2
IC801
SYSTEM CONTROL
Notes:
1) ( ) indicates Pin No. of right channel.
2)
: AF SIGNAL
: FM SIGNAL
: AM (LW/MW) SIGNAL
: FM OSC SIGNAL
: AM (LW/MW) SIGNAL
: SURROUND SP DRIVE SIGNAL
JK201(1/3)
AC
CT
AC
F701
F702
PT701
F1
RL702
RL701
Q704, 801
Relay drive
Q154, D153
Regulator
Q701, D715
Regulator
Q702, D716
Regulator
Q703, D714
Regulator
D701 ~ 704
D705, 706
D709, 710
D717
D708
D719 ~ 721
AC IN
STBI
DATA
CLK
HP SW
T. OUT
M38102M5147S ··· [GC, GN]
M38102M5222S ··· [E, EB, EG]
IC601
SYSTEM CONTROL & FL DRIVE
AC IN
Vdd
VP
Vss
X IN
X OUT
MAIN VR b
MAIN VR a
REMOTE
K3 ~ KO
I2G
I1G
I0G
I9G
I8G
KS3/7G ~ KS9/1G
S1 ~ S15
X601
VR601 (VOLUME)
RCDHC-278-E
IC602
REMOTE SENSOR
Q1601
Switching
Key matrix
S601 ~ 621
FL DISPLAY
FL601

■ WIRING CONNECTION DIAGRAM



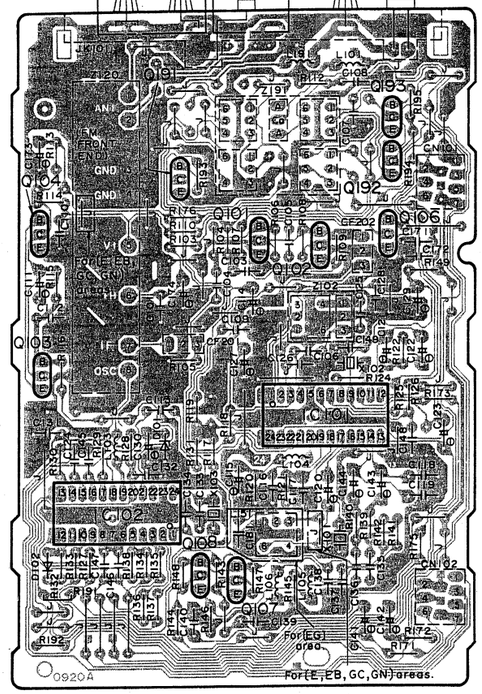
■ PRINTED CIRCUIT BOARD DIAGRAM

1 2 3 4 5

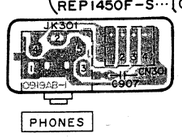
A B C D E F

●This circuit board diagram may be modified at any time with the development of new technology.

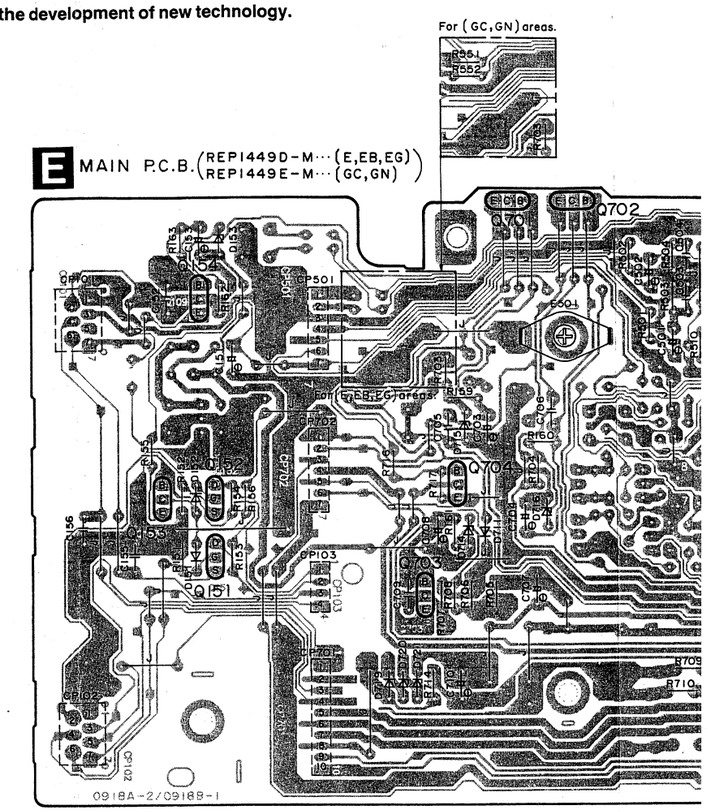
A TUNER P.C.B. (REPI452C-T···(EG) REPI452D-T···(E,EB) REPI452E-T···(GC,GN))



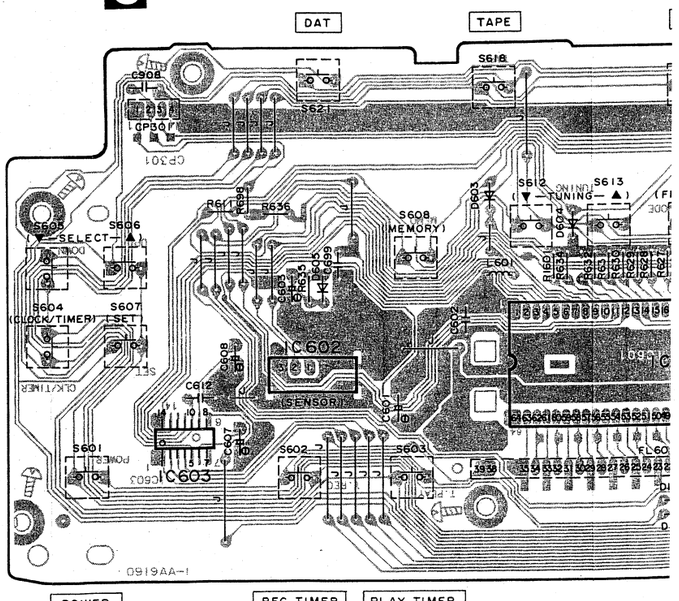
D HEADPHONES JACK P.C.B. (REPI450C-S···(E,EB,EG) REPI450F-S···(GC,GN))



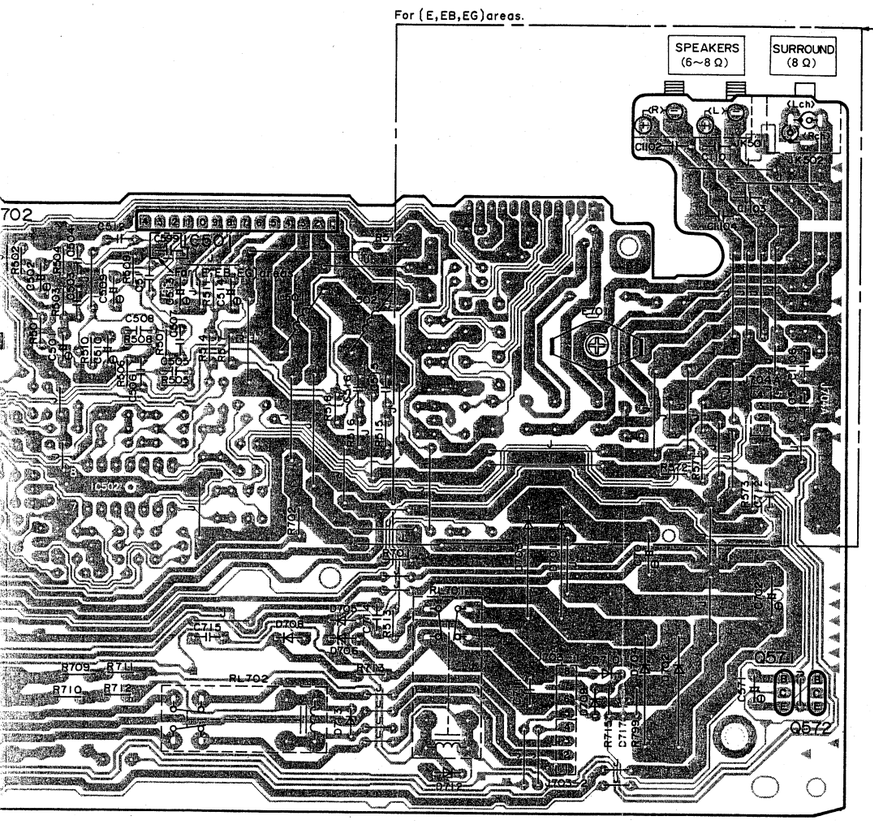
E MAIN P.C.B. (REPI449D-M···(E,EB,EG) REPI449E-M···(GC,GN))

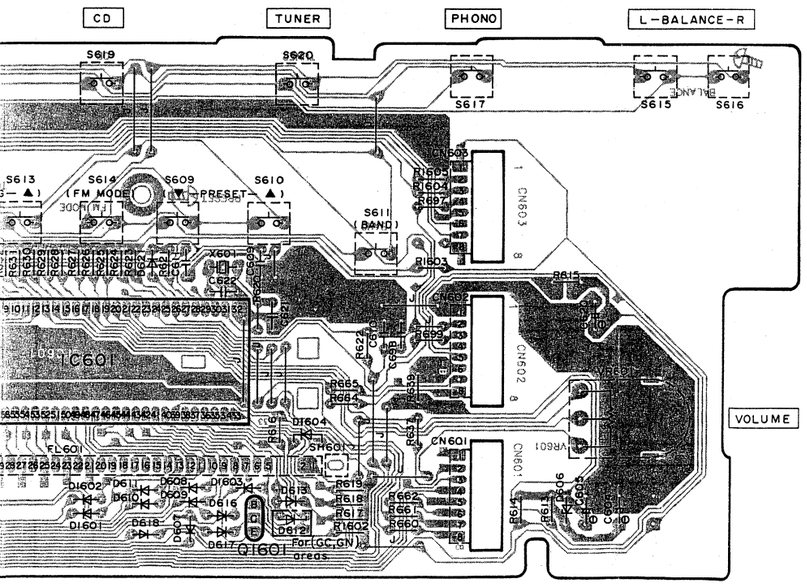


C FL P.C.B. (REPI450C-S···(E,EB,EG) REPI450F-S···(GC,GN))

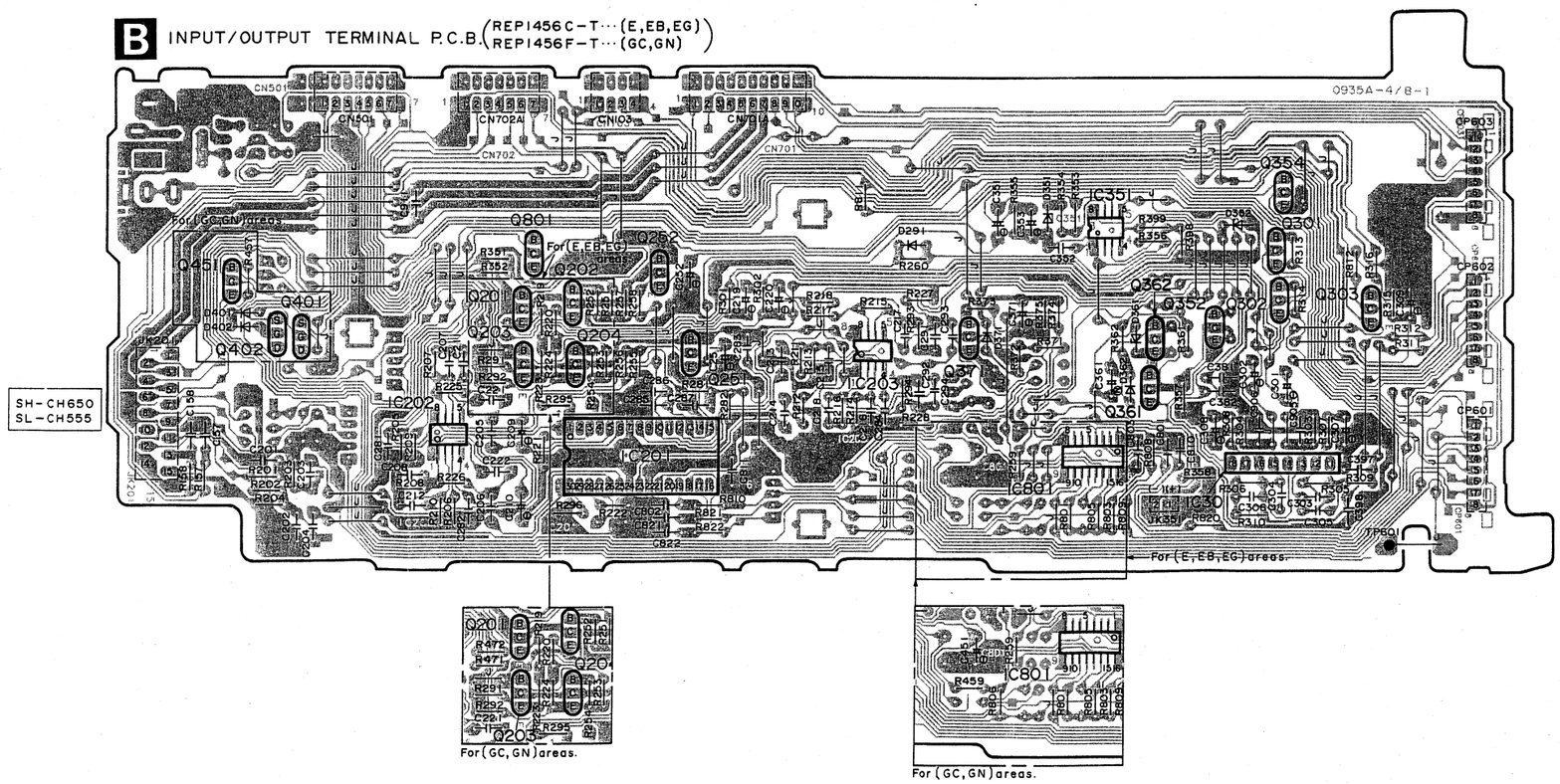


6 7 8 9 10 11 12 13 14

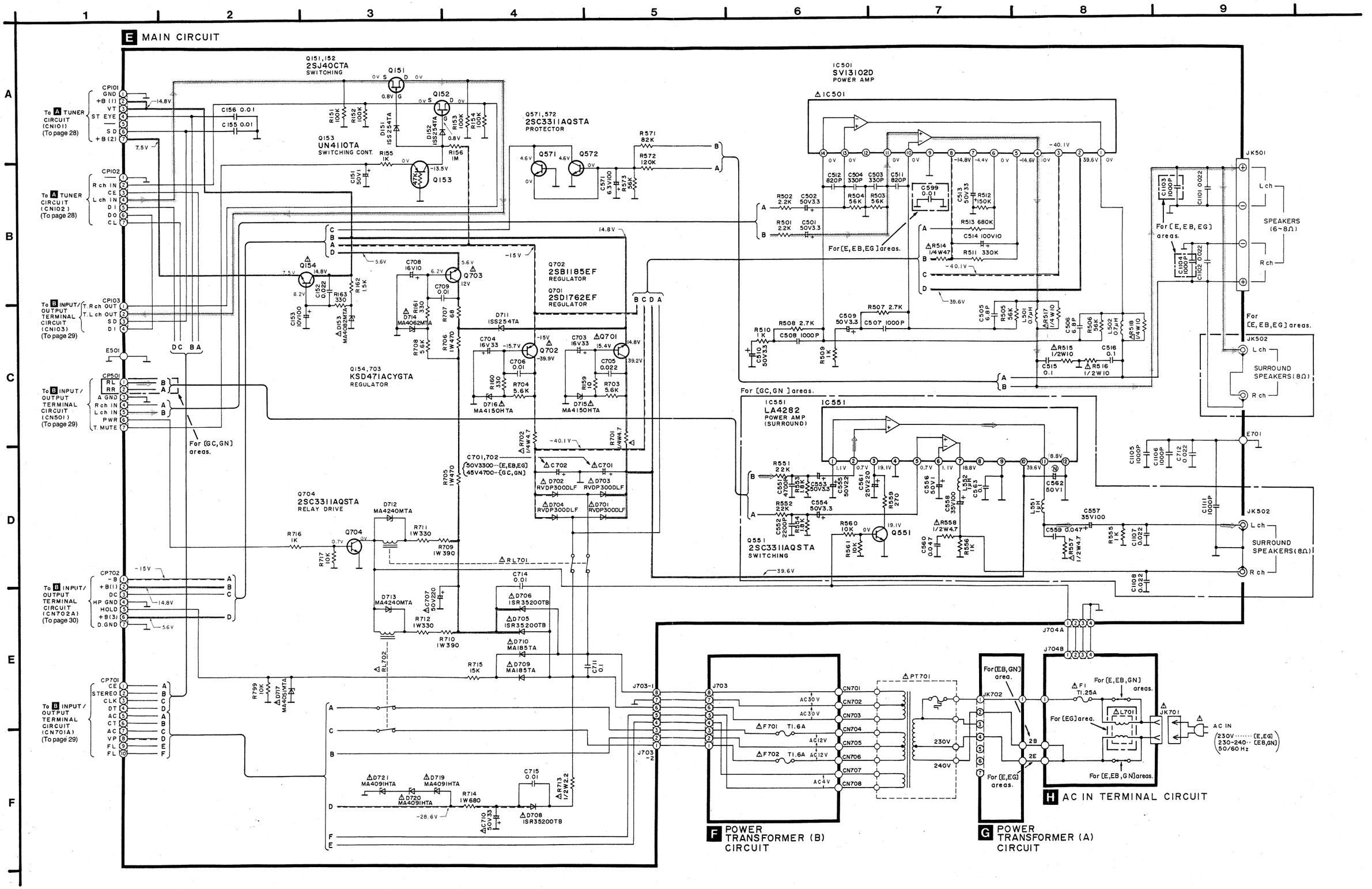




B INPUT/OUTPUT TERMINAL P.C.B. (REPI456C-T···(E,EB,EG) REPI456F-T···(GC,GN))



■ SCHEMATIC DIAGRAM •MAIN/POWER TRANSFORMER (A)/(B)/AC IN TERMINAL CIRCUIT (Parts list on pages 37~41.)

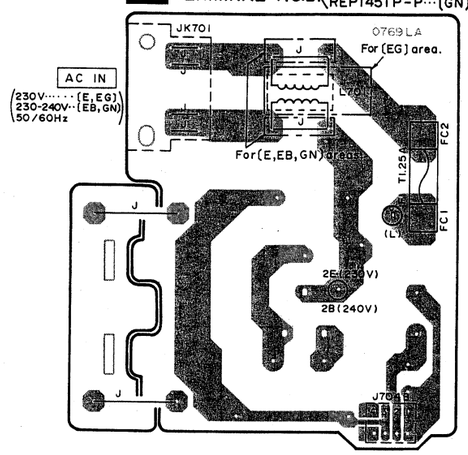


■ PRINTED CIRCUIT BOARD DIAGRAM

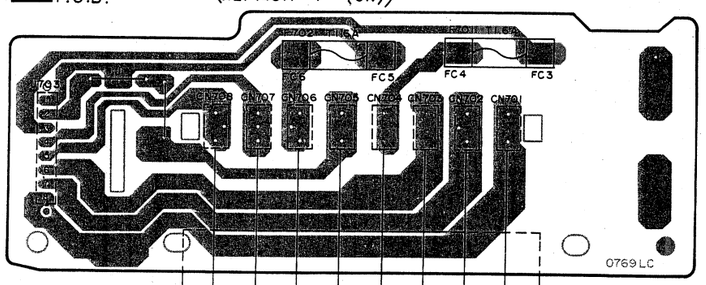
1 2 3 4 5 6 7 8 9

A B C D E F

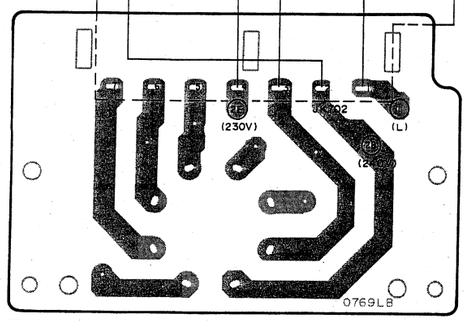
H AC IN TERMINAL P.C.B. (REPI451K-P…(EG) REPI451L-P…(EB) REPI451M-P…(E) REPI451P-P…(GN))



F POWER TRANSFORMER(B) P.C.B. (REPI451K-P…(EG) REPI451L-P…(EB) REPI451M-P…(E) REPI451P-P…(GN))



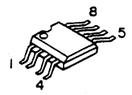
PT701 (Power transformer)

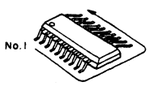


G POWER TRANSFORMER(A) P.C.B. (REPI451K-P…(EG) REPI451L-P…(EB) REPI451M-P…(E) REPI451P-P…(GN))

●Terminal guide of IC's, transistors and diodes

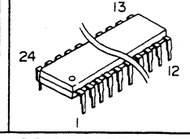
BA4558FT1



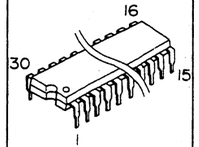


LA5608M-TE-L	14Pin
BU2040F-T2	16Pin
M5219FPTA	8Pin

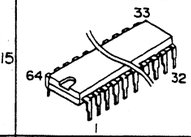
LA1830-H
LC7218



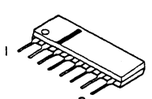
LC7536



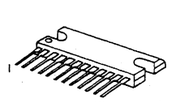
M38102M5147S
M38102M5221S



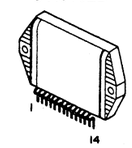
M5218AL



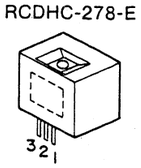
LA4282

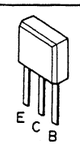


SVI3102D



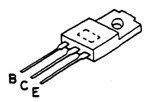
RCDHC-278-E



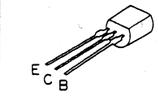


2SC3327ABTP
2SA1309AQSTA
2SC2785FE
2SC2787LTA
2SC3311AQSTA
2SD1450STA
UN411FTA
UN4115TA
UN4111TA
UN4110TA

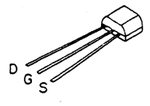
2SB1185EF
2SD1762EF

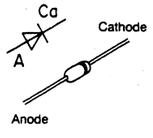


KSD471ACYGTA
2SK381BCTA



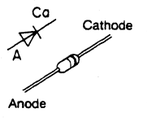
2SJ40CTA



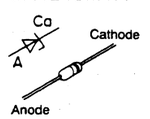


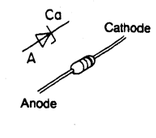
MA165TA
MA185TA
1SS254TA
1SR35200TB

1SS291TA



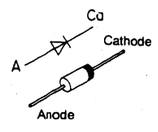
MA4150HTA
MA4240MTA





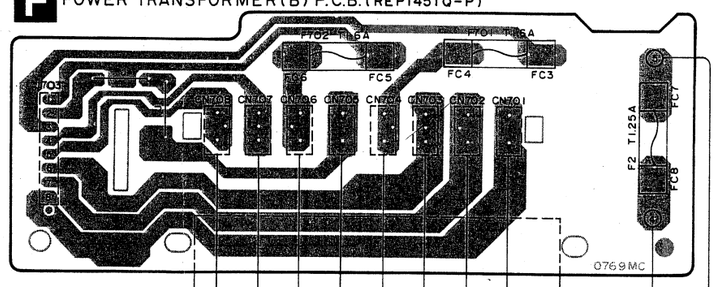
MA4039MTA
MA4051MTA
MA4062MTA
MA4082MTA
MA4091HTA
MA4068MTA
MA4091LTA

RVDP300DLF

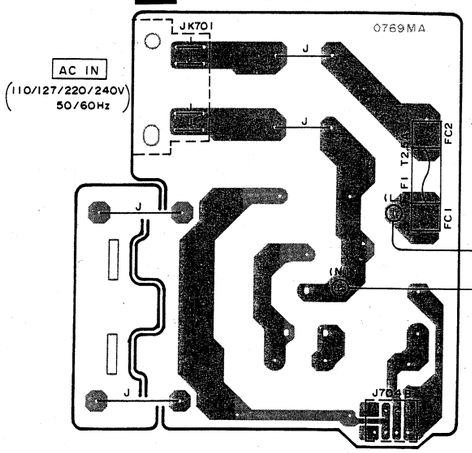


Power Source P.C.B. For(GC) area.

F POWER TRANSFORMER(B) P.C.B. (REPI451Q-P)



H AC IN TERMINAL P.C.B. (REPI451Q-P)



PT701 (Power transformer)

ORG

YEL

S701 VOLTAGE ADJ

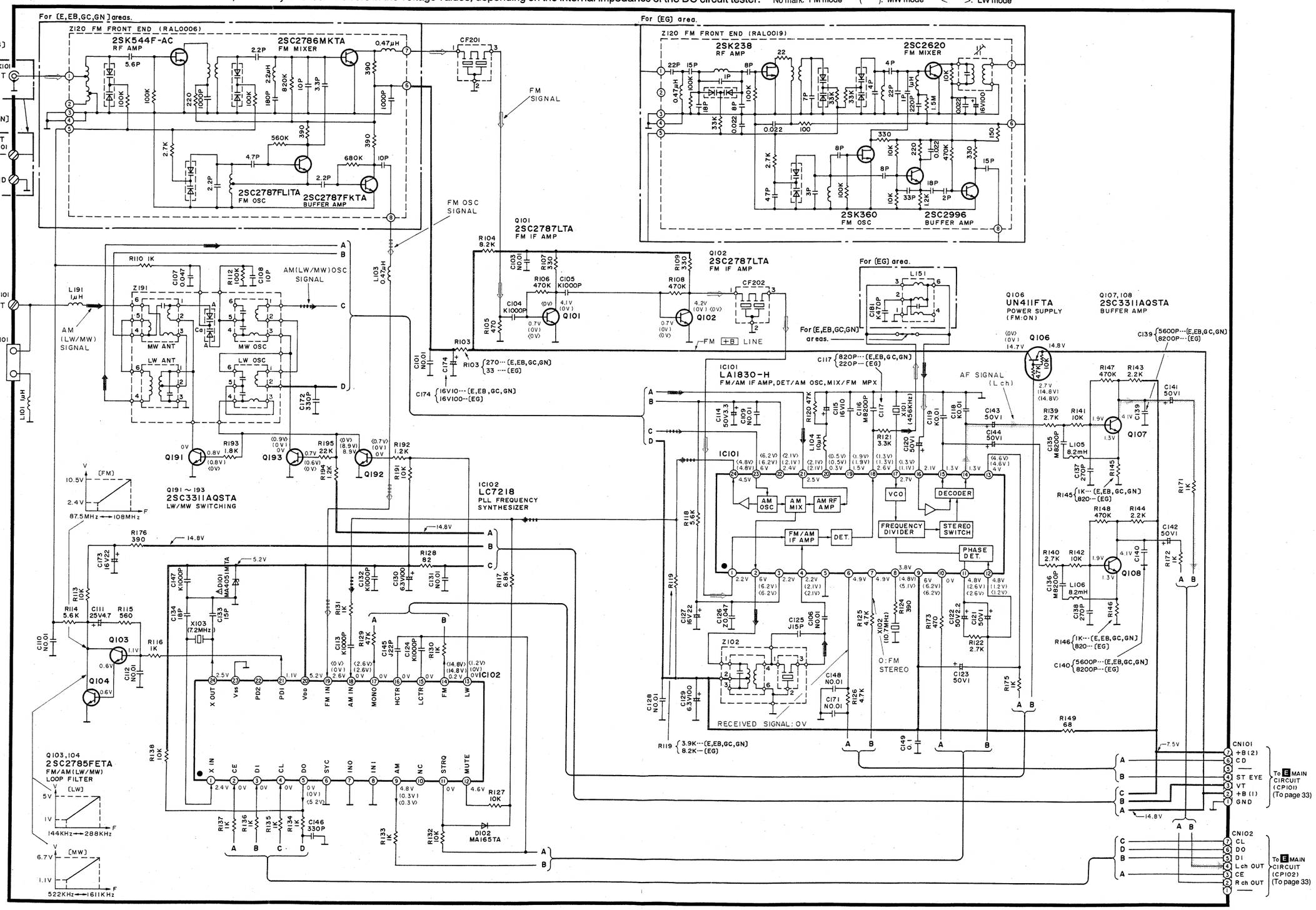
G POWER TRANSFORMER(A) P.C.B. (REPI451Q-P)

■ SCHEMATIC DIAGRAM •TUNER CIRCUIT (Parts list on pages 37~41.)

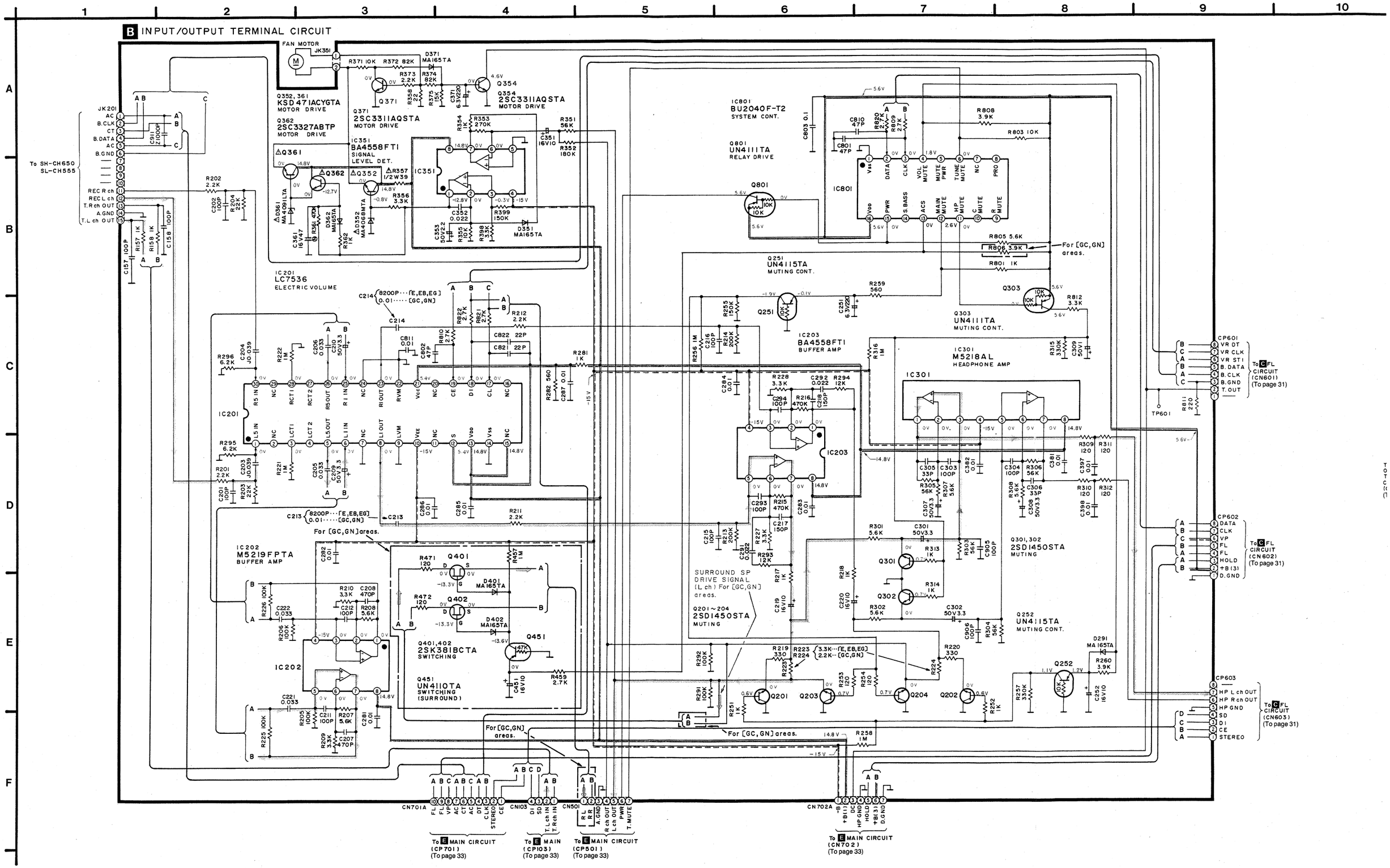
: AM (LW/MW) signal line
: AM (LW/MW) OSC signal line
: FM signal line
: FM OSC signal line
: Positive voltage line
: AF signal line

A TUNER CIRCUIT

•Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.
Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester. No mark: FM mode ( ): MW mode < >: LW mode

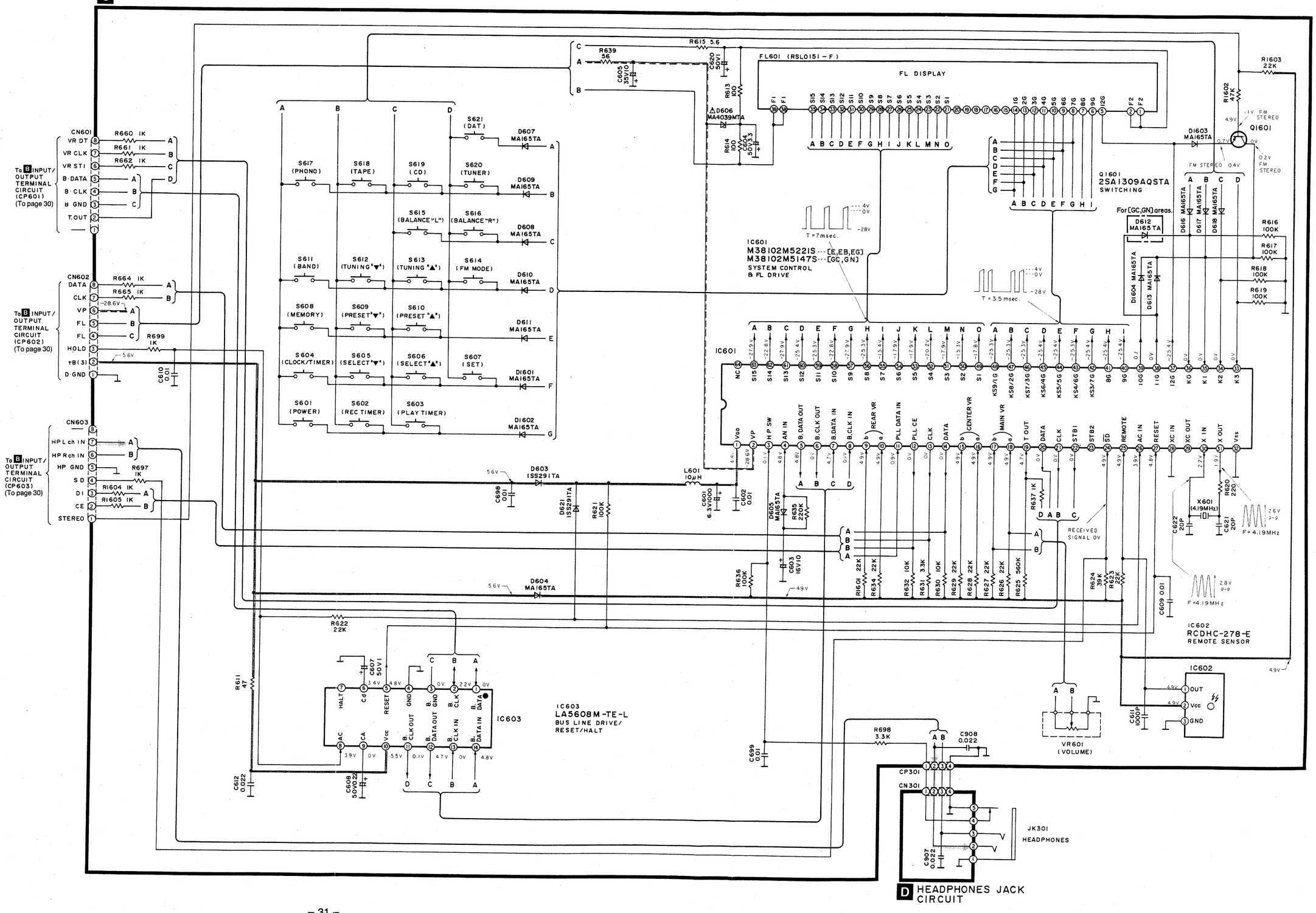


■ SCHEMATIC DIAGRAM •INPUT/OUTPUT TERMINAL CIRCUIT and FL/HEADPHONES JACK CIRCUIT (Parts list on pages 37~41.)


B INPUT/OUTPUT TERMINAL CIRCUIT
FAN MOTOR
JK351
Q352, 361 KSD471ACYGTA MOTOR DRIVE
Q362 2SC3327ABTP MOTOR DRIVE
Q371 2SC3311AQSTA MOTOR DRIVE
Q354 2SC3311AQSTA MOTOR DRIVE
IC351 BA4558FTI SIGNAL LEVEL DET.
IC801 BU2040F-T2 SYSTEM CONT.
Q801 UN4111TA RELAY DRIVE
IC201 LC7536 ELECTRIC VOLUME
IC202 M5219FPTA BUFFER AMP
Q401,402 2SK381BCTA SWITCHING
Q451 UN4110TA SWITCHING (SURROUND)
Q251 UN4115TA MUTING CONT.
Q303 UN4111TA MUTING CONT.
IC203 BA4558FTI BUFFER AMP
IC301 M52184L HEADPHONE AMP
Q201~204 2SD1450STA MUTING
Q301, 302 2SD1450STA MUTING
Q252 UN4115TA MUTING CONT.
SURROUND SP DRIVE SIGNAL (L ch) For [GC,GN] areas.
For [GC,GN] areas.
To SH-CH650 SL-CH555
CP601
CP602
CP603
To C FL CIRCUIT (CN601) (To page 31)
To C FL CIRCUIT (CN602) (To page 31)
To C FL CIRCUIT (CN603) (To page 31)
CN701A
CN103
CN501
CN702A
To E MAIN CIRCUIT (CP701) (To page 33)
To E MAIN (CP103) (To page 33)
To E MAIN CIRCUIT (CP501) (To page 33)
To E MAIN CIRCUIT (CN702) (To page 33)

10 11 12 13 14 15 16 17 18 19

C FL CIRCUIT



D HEADPHONES JACK CIRCUIT

Notes:

- •S601 : Power "STANDBY ⏻/ON" switch (POWER/STANDBY ⏻/ON)
- •S602 : Timer recording switch (REC TIMER)
- •S603 : Timer play switch (PLAY TIMER)
- •S604 : Clock/timer switch (CLOCK/TIMER)
- •S605 : Timer select switch (▼)
- •S606 : Timer select switch (▲)
- •S607 : Setting switch (SET)
- •S608 : Preset memory switch (MEMORY, -MANUAL, –AUTO)
- •S609 : Preset tuning switch (▼)
- •S610 : Preset tuning switch (▲)
- •S611 : Band select/allocation charge switch (-BAND –ALLOCATION)
- •S612 : Tuning switch (▼)
- •S613 : Tuning switch (▲)
- •S614 : FM mode switch (FM MODE)
- •S615 : Balance adjustment switch (BALANCE L)
- •S616 : Balance adjustment switch (BALANCE R)
- •S617 : Input select switch (PHONO)
- •S618 : Input select switch (TAPE)
- •S619 : Input select switch (CD)
- •S620 : Input select switch (TUNER)
- •S621 : Input select switch (DAT/DCC)
- •S701 : Voltage selector switch in "220 V" position (110 V/127 V/220 V/240 V) for (GC) area only

•Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.
Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
No mark: FM mode ( ): MW mode < >: LW mode

•Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

•**Caution!**
IC and LSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.
Cover the parts boxes made of plastics with aluminum foil.
Ground the soldering iron.
Put a conductive mat on the work table.
Do not touch the legs of IC or LSI with the fingers directly.

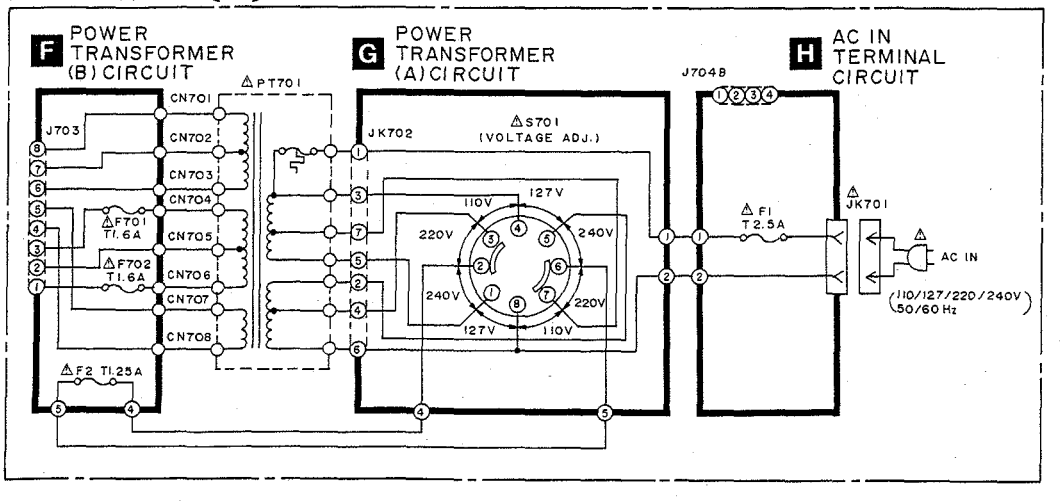
•The supply part number is described alone in the replacement parts list.

Ref. No.	Production Parts No.	Supply Parts No.
IC202	M5219FPTA	M5219FP
IC203 IC351	BA4558FT1	SVIBA4558F
IC301	M5218AL	M5218L
IC602	RCDHC-278-E	RCDHC-278

: Positive voltage line
: Negative voltage line
: AF signal line
: AM (LW/MW) signal line
: Surround SP drive signal line

•This schematic diagram may be modified at any time with the development of new technology.

Power Source For [GC] area.



■ FUNCTION OF IC TERMINALS

•IC601 For (E, EB, EG)...(M38102M5221S), For (GC, GN)...(M38102M5147S)

Pin No.	Terminal Name	I/O	Function
1	V_{DD}	——	Power supply (+5 V)
2	VP	——	Pull-down voltage (−29 V)
3	HP. SW	I	Headphones switch input
4	AN IN	I	CR timer during backup
5	B.DATA OUT	O	Bus data output
6	B.CLK OUT	O	Bus clock output
7	B.DATA IN	I	Bus data input
8	B.CLK IN	I	Bus clock input
9	REAR VR. b	I	No use
10	REAR VR. a	I	No use
11	PLL DATA IN	I	Serial data input from LC7218 (PLL)
12	PLL CE	O	Serial chip enable output for LC7218 (PLL)
13	CLK	O	Clock for BU2040
14	DATA	O	Data for BU2040
15	CENTER VR. b	I	No use
16	CENTER VR. a	I	No use
17	MAIN VR. b	I	Rotary encoder input (for Main Volume)
18	MAIN VR. a	I	Rotary encoder input (for Main Volume)
19	T OUT	I/O	I: Starting clock adjustment O: 131.072 kHz (POWER OFF) Malfunction detection (POWER ON)
20	DATA	O	Data output for LC7536 (E. Volume) & LC7218 (PLL)
21	CLK	O	Clock output for LC7536 & LC7218 (PLL)

Pin No.	Terminal Name	I/O	Function
22	STB1	O	Strobing for LC7536 (switched)
23	STB2	——	No use
24	$\overline{SD}$	I	Received signal input
25	REMOTE	I	Remote control input
26	AC IN	I	Power down input
27	RESET	I	Reset input
28	XC IN	——	No use
29	XC OUT	——	
30	X IN	I	4.19 MHz oscillator
31	X OUT	O	
32	V_{SS}	——	GND
33 ≀ 36	K3 ≀ K0	I	Operation switch input
37	12G	O	Grid output
38	11G	O	Digit 11 (No use) & RESET
39	10G	O	Digit 10 (No use) & RESET
40	9G	O	Grid output
41	8G	O	
42 ≀ 48	KS3/7G ≀ KS9/1G	O	Grid output/Operation switch output
49 ≀ 63	S1 ≀ S15	O	Segment output
64	NC	——	No use

■ REPLACEMENT PARTS LIST

Notes: *Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC101	LA1830-H	IC, FM/AM IF AMP. /AM OSC	
IC102	LC7218	IC, PLL FREQ. SYNTHESIZER	
IC201	LC7536	IC, ELECTRIC VOLUME	
IC202	M5219FP	IC, BUFFER AMP.	
IC203	SVIBA4558F	IC, BUFFER AMP.	
IC301	M5218L	IC, HEADPHONES AMP.	
IC351	SVIBA4558F	IC, SIGNAL LEVEL DET.	
IC501	SVI3102D	IC, POWER AMP.	⚠
IC551	LA4282	IC, POWER AMP. (SURROUND)	(GC, GN)
IC601	M38102M5221S	IC, FL DRIVE/SYSTEM CONT.	(E, EB, EG)
IC601	M38102M5147S	IC, FL DRIVE/SYSTEM CONT.	(GC, GN)
IC602	RCDHC-278	IC, REMOTE SENSOR	
IC603	LA5608M-TE-L	IC, BUS LINE/HALT/RESET	
IC801	BU2040F-T2	IC, SYSTEM CONTROL	
		TRANSISTOR(S)	
Q101, 102	2SC2787L	TRANSISTOR	
Q103, 104	2SC2785FE	TRANSISTOR	
Q106	UN411FTA	TRANSISTOR	
Q107, 108	2SC3311A-Q	TRANSISTOR	
Q151, 152	2SJ40CTA	TRANSISTOR	
Q153	UN4110TA	TRANSISTOR	
Q154	KSD471ACYGTA	TRANSISTOR	⚠
Q191-193	2SC3311A-Q	TRANSISTOR	
Q201-204	2SD1450RTA	TRANSISTOR	
Q251, 252	UN4115	TRANSISTOR	
Q301, 302	2SD1450RTA	TRANSISTOR	
Q303	UN4111	TRANSISTOR	
Q352	KSD471ACYGTA	TRANSISTOR	⚠
Q354	2SC3311A-Q	TRANSISTOR	
Q361	KSD471ACYGTA	TRANSISTOR	⚠
Q362	2SC3327-A	TRANSISTOR	⚠
Q371	2SC3311A-Q	TRANSISTOR	
Q401, 402	2SK381BCDTA	TRANSISTOR	(GC, GN)
Q451	UN4110TA	TRANSISTOR	(GC, GN)
Q551	2SC3311A-Q	TRANSISTOR	(GC, GN)
Q571, 572	2SC3311A-Q	TRANSISTOR	
Q701	2SD1762EF	TRANSISTOR	⚠
Q702	2SB1185EF	TRANSISTOR	⚠
Q703	KSD471ACYGTA	TRANSISTOR	⚠
Q704	2SC3311A-Q	TRANSISTOR	
Q801	UN4111	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q1601	2SA1309A-R	TRANSISTOR	
		DIODE(S)	
D101	MA4051MTA	DIODE	⚠
D102	MA165	DIODE	
D151, 152	1SS254TA	DIODE	
D153	MA4082MTA	DIODE	⚠
D291	MA165	DIODE	
D351	MA165	DIODE	
D352	MA4068M	DIODE	⚠
D361	MA4091LTA	DIODE	⚠
D362	MA165	DIODE	
D371	MA165	DIODE	
D401, 402	MA165	DIODE	(GC, GN)
D603	1SS291TA	DIODE	
D604, 605	MA165	DIODE	
D606	MA4039MTA	DIODE	⚠
D607-611	MA165	DIODE	
D612	MA165	DIODE	(GC, GN)
D613	MA165	DIODE	
D616-618	MA165	DIODE	
D621	1SS291TA	DIODE	
D701-704	P300DLF	DIODE	⚠
D705, 706	1SR35200TB	DIODE	⚠
D708	1SR35200TB	DIODE	⚠
D709, 710	MA185TA	DIODE	⚠
D711	1SS254TA	DIODE	
D712, 713	MA4240H	DIODE	
D714	MA4062MTA	DIODE	⚠
D715, 716	MA4150M	DIODE	⚠
D717	MA4051MTA	DIODE	⚠
D719-721	MA4091HTA	DIODE	⚠
D1601-1604	MA165	DIODE	
		VARIABLE RESISTOR(S)	
VR601	EVQWWVF2024B	V. R, MAIN VOLUME CONTROL	
		COMPONENT COMBINATION(S)	
Z102	RL12Z006M-T	COMPONENT COMBINATION	
Z120	RAL0006	TUNER PACK(FM FRONT END)	(E, EB, GC, GN)
Z120	RAL0019	TUNER PACK(FM FRONT END)	(EG)
Z191	RLA6Z005M-T	COMPONENT COMBINATION	

Ref. No.	Part No.	Part Name & Description	Remarks
		COIL (S)	
L101	ELESN1R0MA	COIL	
L103	ELEXTR47MA9	COIL	
L104	ELEXT100KA9	COIL	
L105, 106	RLQZB822KT-D	COIL	
L151	SLM1B10M-1M	COIL	(EG)
L191	ELESN1R0MA	COIL	
L501, 502	SLQY07G-40	COIL	
L551, 552	ELEV1R0KA	COIL	(GC, GN)
L601	ELEXT100KA9	COIL	
L701	RLQZ271M	COIL	(EG) ⚠
		FILTER (S)	
CF201, 202	RLFFETWND01M	CERAMIC FILTER	(E, EB, GC, GN)
CF201, 202	RLFFETMGD01L	CERAMIC FILTER	(EG)
		OSCILLATOR (S)	
X101	RSXZ456KM07M	OSCILLATOR (456KHz)	
X102	RLFDFTD03M	OSCILLATOR (10.7MHz)	
X103	SVQ49U722-S	OSCILLATOR (7.2MHz)	
X601	RSXA4M19S02T	OSCILLATOR (4.19MHz)	
		DISPLAY TUBE	
FL601	RSL0151-F	DISPLAY TUBE	
		FUSE (S)	
F1	XBA2C12TB0S	FUSE, 250V T1.25A	(E, EB, EG, GN) ⚠
F1	XBA2C25TB0	FUSE, 250V T2.5A	(GC) ⚠
F2	XBA2C12TB0	FUSE, 250V T1.25A	(GC) ⚠
F701, 702	XBA2C16TB0	FUSE, 250V T1.6A	⚠
		SWITCH (ES)	
S601	EVQ21405R	SW, POWER	
S602	EVQ21405R	SW, REC. TIMER	
S603	EVQ21405R	SW, PLAY TIMER	
S604	EVQ21405R	SW, CLOCK/TIMER	
S605	EVQ21405R	SW, SELECT (DOWN)	
S606	EVQ21405R	SW, SELECT (UP)	
S607	EVQ21405R	SW, SET	
S608	EVQ21405R	SW, MEMORY	
S609	EVQ21405R	SW, PRESET (DOWN)	
S610	EVQ21405R	SW, PRESET (UP)	
S611	EVQ21405R	SW, BAND	
S612	EVQ21405R	SW, TUNING (DOWN)	
S613	EVQ21405R	SW, TUNING (UP)	
S614	EVQ21405R	SW, FM MODE	

Ref. No.	Part No.	Part Name & Description	Remarks
S615	EVQ21405R	SW, BALANCE (L)	
S616	EVQ21405R	SW, BALANCE (R)	
S617	EVQ21405R	SW, PHONO	
S618	EVQ21405R	SW, TAPE	
S619	EVQ21405R	SW, CD	
S620	EVQ21405R	SW, TUNER	
S621	EVQ21405R	SW, DAT	
S701	ESE37263	SW, VOLTAGE SELECTOR	(GC) ⚠
		CONNECTOR (S)	
J703-1, 2	RJS1A6604	SOCKET (4P)	
J703	RWJ1808110XX	FLAT CABLE (8P)	
J704A	RJT057W004-1	CONNECTOR (4P)	
J704B	RJU057W004	SOCKET (4P)	
CN101, 102	RJU063W07T	SOCKET (7P)	
CN103	RJU057W004	SOCKET (4P)	
CN301	RJU057W004	SOCKET (4P)	
CN501	RJU057W007	SOCKET (7P)	
CN601-603	RJT003K008-1	CONNECTOR (8P)	
CN701	RJS1A1101T1	SOCKET (1P)	
CN701A	RJU057W010	SOCKET (10P)	
CN702	RJS1A1101T1	SOCKET (1P)	
CN702A	RJU057W007	SOCKET (7P)	
CN703-708	RJS1A1101T1	SOCKET (1P)	
CP101, 102	RJT063W07T	CONNECTOR (7P)	
CP103	RJT057W004-1	CONNECTOR (4P)	
CP301	RJT057W004-1	CONNECTOR (4P)	
CP501	RJT057W007-1	CONNECTOR (7P)	
CP601-603	RJU003K008M1	SOCKET (8P)	
CP701	RJT057W010-1	CONNECTOR (10P)	
CP702	RJT057W007-1	CONNECTOR (7P)	
		EARTH TERMINAL (S)	
E501	SNE1004-1	GND PLATE	
E701	SNE1004-1	GND PLATE	
		FUSE HOLDER (S)	
FC1-6	EYF52BC	FUSE HOLDER	
FC7, 8	EYF52BC	FUSE HOLDER	(GC)
		RELAY (S)	
RL701, 702	RSY0013M-0	RELAY	⚠
		JACK (S)	
JK101	RJH4202M	ANTENNA TERMINAL	(E, EB, EG)
JK101	RJH4405-1M	ANTENNA TERMINAL	(GC, GN)
JK201	RJT065K15	CONNECTOR (15P)	

Ref. No.	Part No.	Part Name & Description	Remarks
JK301	RJJD7S2YA-C	HEADPHONES JACK	
JK351	SJT3213	CONNECTOR(2P)	
JK501	RJR0054M	SPEAKER TERMINALS	
JK502	SJF3068-6N	SURROUND SP. TERMINALS	(E, EB, EG)
JK502	SJF3068N	SURROUND SP. TERMINALS	(GC, GN)
JK701	SJS9236	AC INLET	(E, EB, EG, GC) ⚠
JK701	SJSD16	AC INLET	(GN) ⚠
JK702	SJS702-1	CONNECTOR(7P)	

Ref. No.	Part No.	Part Name & Description	Remarks
		TRANSFORMER(S)	
PT701	RTP1N5B015	POWER TRANSFORMER	(E, EB, EG, GN) ⚠
PT701	RTP1N5G004	POWER TRANSFORMER	(GC) ⚠

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads(pF) F=Farads(F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R103	ERDS2TJ271	1/4W 270 E, EB, GC, GN
R103	ERDS2TJ330T	1/4W 33 EG
R104	ERDS2TJ822	1/4W 8.2K
R105	ERDS2TJ471	1/4W 470
R106	ERDS2TJ474	1/4W 470K
R107	ERDS2TJ331	1/4W 330
R108	ERDS2TJ474	1/4W 470K
R109	ERDS2TJ331	1/4W 330
R110	ERDS2TJ102	1/4W 1K
R112	ERDS2TJ104	1/4W 100K
R113	ERDS2TJ103	1/4W 10K
R114	ERDS2TJ562	1/4W 5.6K
R115	ERDS2TJ561	1/4W 560
R116	ERDS2TJ102	1/4W 1K
R117	ERDS2TJ682T	1/4W 6.8K
R118	ERDS2TJ562	1/4W 5.6K
R119	ERDS2TJ392T	1/4W 3.9K E, EB, GC, GN
R119	ERDS2TJ822T	1/4W 8.2K EG
R120	ERDS2TJ473	1/4W 47K
R121	ERDS2TJ332	1/4W 3.3K
R122	ERDS2TJ272T	1/4W 2.7K
R124	ERDS2TJ391	1/4W 390
R125, 126	ERDS2TJ472	1/4W 4.7K
R127	ERDS2TJ103	1/4W 10K
R128	ERDS2TJ820	1/4W 82
R129	ERDS2TJ473	1/4W 47K
R130, 131	ERDS2TJ102	1/4W 1K
R132	ERDS2TJ103	1/4W 10K
R133-137	ERDS2TJ102	1/4W 1K
R138	ERDS2TJ103	1/4W 10K

Ref. No.	Part No.	Values & Remarks
R139, 140	ERDS2TJ272T	1/4W 2.7K
R141, 142	ERDS2TJ103	1/4W 10K
R143, 144	ERDS2TJ222	1/4W 2.2K
R145, 146	ERDS2TJ102	1/4W 1K E, EB, GC, GN
R145, 146	ERDS2TJ821T	1/4W 820 EG
R147, 148	ERDS2TJ474	1/4W 470K
R149	ERDS2TJ680T	1/4W 68
R151-154	ERDS2TJ104	1/4W 100K
R155	ERDS2TJ102	1/4W 1K
R156	ERDS2TJ105T	1/4W 1M
R157, 158	ERDS2TJ102	1/4W 1K
R159	ERDS2TJ100	1/4W 10
R160, 161	ERDS2TJ331	1/4W 330
R162	ERDS2TJ152	1/4W 1.5K
R163	ERDS2TJ331	1/4W 330
R171, 172	ERDS2TJ102	1/4W 1K
R173	ERDS2TJ471	1/4W 470
R175	ERDS2TJ102	1/4W 1K
R176	ERDS2TJ391	1/4W 390
R191	ERDS2TJ103	1/4W 10K
R192	ERDS2TJ122	1/4W 1.2K
R193	ERDS2TJ182	1/4W 1.8K
R194	ERDS2TJ122	1/4W 1.2K
R195	ERDS2TJ223	1/4W 22K
R201, 202	ERDS2TJ222	1/4W 2.2K
R203, 204	ERDAS3G223T	1/4W 22K
R205, 206	ERDS2TJ104	1/4W 100K
R207, 208	ERDAS3G562T	1/4W 5.6K
R209, 210	ERDAS3G332T	1/4W 3.3K
R211, 212	ERDS2TJ222	1/4W 2.2K
R213, 214	ERDS2TJ204	1/4W 200K
R215, 216	ERDS2TJ474	1/4W 470K
R217, 218	ERDS2TJ102	1/4W 1K

Ref. No.	Part No.	Values & Remarks
R219, 220	ERDS2TJ331	1/4W 330
R221, 222	ERDS2TJ105T	1/4W 1M
R223, 224	ERDS2TJ332	1/4W 3.3K E, EB, EG
R223, 224	ERDS2TJ222T	1/4W 2.2K GC, GN
R225, 226	ERDS2TJ104	1/4W 100K
R227, 228	ERDS2TJ332	1/4W 3.3K
R251, 252	ERDS2TJ102	1/4W 1K
R253, 254	ERDS2EJ121	1/4W 120
R255	ERDS2TJ154	1/4W 150K
R256	ERDS2TJ105T	1/4W 1M
R257	ERDS2TJ334	1/4W 330K
R258	ERDS2TJ105T	1/4W 1M
R259	ERDS2TJ561	1/4W 560
R260	ERDS2TJ392T	1/4W 3.9K
R281	ERDS2TJ102	1/4W 1K
R282	ERDS2TJ561	1/4W 560
R291, 292	ERDS2TJ104	1/4W 100K
R293, 294	ERDAS3G123T	1/4W 12K
R295, 296	ERDAS3G622T	1/4W 6.2K
R301, 302	ERDS2TJ562	1/4W 5.6K
R303-306	ERDS2TJ563	1/4W 56K
R307, 308	ERDS2TJ562	1/4W 5.6K
R309-312	ERDS2EJ121	1/4W 120
R313, 314	ERDS2TJ102	1/4W 1K
R315	ERDS2TJ334	1/4W 330K
R316	ERDS2TJ105T	1/4W 1M
R351	ERDS2TJ563	1/4W 56K
R352	ERDS2TJ184T	1/4W 180K
R353	ERDS2TJ274	1/4W 270K
R354	ERDS2TJ102	1/4W 1K
R355	ERDS2TJ103	1/4W 10K
R356	ERDS2TJ332	1/4W 3.3K
R357 ⚠	ERDS1FVJ390T	1/2W 39

Ref. No.	Part No.	Values & Remarks
R358	ERDS2TJ220T	1/4W 22
R361	ERDS2TJ474	1/4W 470K
R362	ERDS2TJ102	1/4W 1K
R371	ERDS2TJ103	1/4W 10K
R372	ERDS2TJ823T	1/4W 82K
R373	ERDS2TJ222	1/4W 2.2K
R374	ERDS2TJ823T	1/4W 82K
R375	ERDS2TJ153	1/4W 15K
R398	ERDS2TJ332	1/4W 3.3K
R399	ERDS2TJ154	1/4W 150K
R457	ERDS2TJ105T	1/4W 1M GC, GN
R459	ERDS2TJ272T	1/4W 2.7K GC, GN
R471, 472	ERDS2EJ121	1/4W 120 GC, GN
R501, 502	ERDS2TJ222	1/4W 2.2K
R503-506	ERDS2TJ563	1/4W 56K
R507, 508	ERDS2TJ272T	1/4W 2.7K
R509, 510	ERDS2TJ102	1/4W 1K
R511	ERDS2TJ334	1/4W 330K
R512	ERDS2TJ154	1/4W 150K
R513	ERDS2TJ684	1/4W 680K
R514 ⚠	ERD25FJ470	1/4W 47
R515, 516⚠	ERDS1FVJ100T	1/2W 10
R517, 518⚠	ERD25FVJ100T	1/4W 10
R551, 552	ERDS2TJ223T	1/4W 22K GC, GN
R553, 554	ERDS2TJ182T	1/4W 1.8K GC, GN
R555, 556	ERDS2TJ102T	1/4W 1K GC, GN
R557, 558⚠	ERDS1FVJ4R7T	1/2W 4.7 GC, GN
R559	ERDS2TJ271T	1/4W 270 GC, GN
R560, 561	ERDS2TJ103T	1/4W 10K GC, GN
R571	ERDS2TJ823T	1/4W 82K
R572	ERDS2TJ124T	1/4W 120K
R573	ERDS2TJ563	1/4W 56K
R611	ERDS2TJ470	1/4W 47
R613, 614	ERDS2TJ101	1/4W 100
R615	ERDS2TJ5R6	1/4W 5.6
R616-619	ERDS2TJ104	1/4W 100K
R620	ERDS2TJ221	1/4W 220
R621	ERDS2TJ104	1/4W 100K
R622, 623	ERDS2TJ223	1/4W 22K
R624	ERDS2TJ393	1/4W 39K
R625	ERDS2TJ564	1/4W 560K
R626-629	ERDS2TJ223	1/4W 22K
R630	ERDS2TJ103	1/4W 10K
R631	ERDS2TJ332	1/4W 3.3K
R632	ERDS2TJ103	1/4W 10K
R634	ERDS2TJ223	1/4W 22K
R635	ERDS2TJ224T	1/4W 220K
R636	ERDS2TJ104	1/4W 100K
R637	ERDS2TJ102	1/4W 1K
R639	ERDS2TJ560T	1/4W 56
R660-662	ERDS2TJ102	1/4W 1K
R664, 665	ERDS2TJ102	1/4W 1K

Ref. No.	Part No.	Values & Remarks
R697	ERDS2TJ102	1/4W 1K
R698	ERDS2TJ332	1/4W 3.3K
R699	ERDS2TJ102	1/4W 1K
R701, 702⚠	ERD2FCVJ4R7T	1/4W 4.7
R703, 704	ERDS2TJ562	1/4W 5.6K
R705, 706	ERG1SJ471E	1W 470
R707	ERDS2TJ680T	1/4W 68
R708	ERDS2TJ562	1/4W 5.6K
R709, 710	ERG1SJ391E	1W 390
R711, 712	ERG1SJ331E	1W 330
R713 ⚠	ERDS1FVJ2R2T	1/2W 2.2
R714	ERG1SJ681E	1W 680
R715	ERDS2TJ153	1/4W 15K
R716	ERDS2TJ102	1/4W 1K
R717	ERDS2TJ103	1/4W 10K
R799	ERDS2TJ103	1/4W 10K
R801	ERDS2TJ102	1/4W 1K
R803	ERDS2TJ103	1/4W 10K
R805	ERDS2TJ562	1/4W 5.6K
R806	ERDS2TJ392T	1/4W 3.9K GC, GN
R808	ERDS2TJ392T	1/4W 3.9K
R809, 810	ERDS2TJ272T	1/4W 2.7K
R811	ERDS2TJ221	1/4W 220
R812	ERDS2TJ332	1/4W 3.3K
R820-822	ERDS2TJ272T	1/4W 2.7K
R1601	ERDS2TJ223	1/4W 22K
R1602	ERDS2TJ473	1/4W 47K
R1603	ERDS2TJ223	1/4W 22K
R1604, 1605	ERDS2TJ102	1/4W 1K
		CAPACITORS
C101	ECBT1C103NS5	16V 0.01U
C103	ECBT1C103NS5	16V 0.01U
C104, 105	ECBT1H102KB5	50V 1000P
C106	ECBT1C103NS5	16V 0.01U
C107	ECBT1H473ZF5	50V 0.047U
C108	ECBT1H100JC5	50V 10P
C109, 110	ECBT1C103NS5	16V 0.01U
C111	ECEA1EKA4R7B	25V 4.7U
C112	ECBT1C103NS5	16V 0.01U
C113	ECBT1H102KB5	50V 1000P
C114	ECEA1HKA3R3B	50V 3.3U
C115	ECEA1CKA100B	16V 10U
C116	ECBT1C822MS5	16V 8200P
C117	ECQB1H821JF3	50V 820P E, EB, GC, GN
C117	ECQP2A221JZT	100V 220P EG
C118, 119	ECFR1E103KR	25V 0.01U
C120, 121	ECEA1HKA010B	50V 1U
C122	ECEA1HKA2R2B	50V 2.2U
C123	ECEA1HKA010B	50V 1U
C124	ECBT1H102KB5	50V 1000P

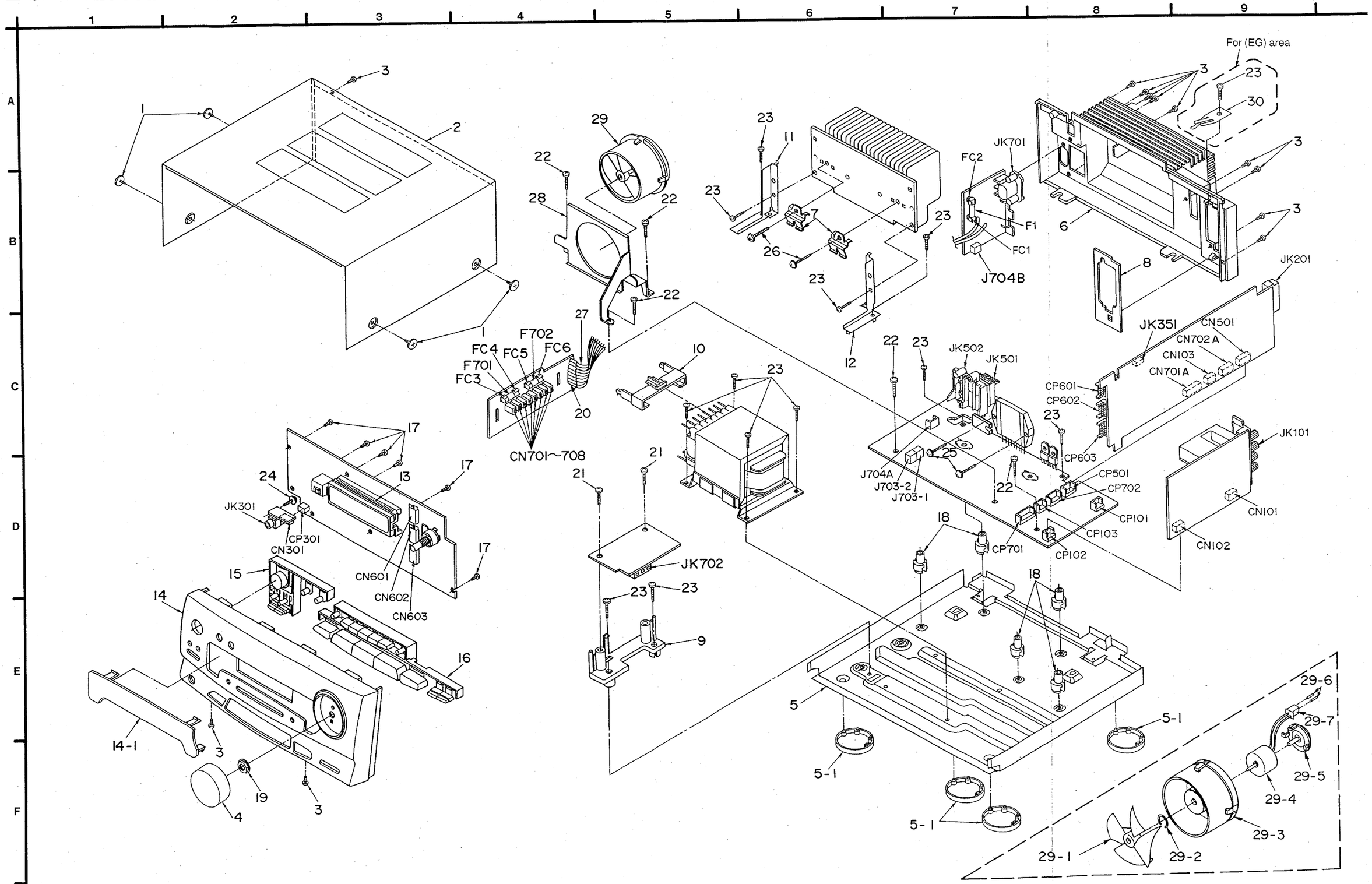
Ref. No.	Part No.	Values & Remarks
C125	ECBT1H150JC5	50V 15P
C126	ECBT1H473ZF5	50V 0.047U
C127	ECEA1CKA220B	16V 22U
C128	ECBT1C103NS5	16V 0.01U
C129, 130	ECEA0JKA101B	6.3V 100U
C131	ECBT1C103NS5	16V 0.01U
C132	ECBT1H102KB5	50V 1000P
C133	ECBT1H150JC5	50V 15P
C134	ECBT1H180JC5	50V 18P
C135, 136	ECBT1C822MS5	16V 8200P
C137, 138	ECBT1H271KB5	50V 270P
C139, 140	ECFR1E562KR	25V 5600P E, EB, GC, GN
C139, 140	ECFR1E822KR	25V 8200P EG
C141-144	ECEA1HKA010B	50V 1U
C145	ECBT1H220JC5	50V 22P
C146	ECBT1H331KB5	50V 330P
C147	ECBT1H102KB5	50V 1000P
C148	ECBT1C103NS5	16V 0.01U
C149	ECBT1H104ZF5	50V 0.1U
C151	ECEA1HKA010B	50V 1U
C152	ECQB1H223JF3	50V 0.022U
C153	ECEA1AKA101B	10V 100U
C155, 156	ECBT1E103ZF	25V 0.01U
C157, 158	ECBT1H101KB5	50V 100P
C171	ECBT1C103NS5	16V 0.01U
C172	ECBT1H331KB5	50V 330P
C173	ECEA1CKA220B	16V 22U
C174	ECEA1CKA100B	16V 10U E, EB, GC, GN
C174	ECEA1CKA101B	16V 100U EG
C181	ECBT1H471KB5	50V 470P EG
C201, 202	ECBT1H101KB5	50V 100P
C203, 204	ECQB1H393JF3	50V 0.039U
C205, 206	ECQB1H333JF3	50V 0.033U
C207, 208	ECBT1H471KB5	50V 470P
C209, 210	ECEA1HKA3R3B	50V 3.3U
C211, 212	ECBT1H101KB5	50V 100P
C213, 214	ECQB1H822JF3	50V 8200P E, EB, EG
C213, 214	ECQB1H103JF3	50V 0.01U GC, GN
C215, 216	ECBT1H101KB5	50V 100P
C217, 218	ECBT1H151KB5	50V 150P
C219, 220	ECEA1CKA100B	16V 10U
C221, 222	ECQB1H333JF3	50V 0.033U
C251	ECEA0JKA221B	6.3V 220U
C252	ECEA1CKA100B	16V 10U
C281-287	ECBT1E103ZF	25V 0.01U
C291, 292	ECQB1H223JF3	50V 0.022U
C293, 294	ECBT1H101KB5	50V 100P
C301, 302	ECEA1HKA3R3B	50V 3.3U
C303, 304	ECBT1H101KB5	50V 100P
C305, 306	ECBT1H330J5	50V 33P
C307, 308	ECEA1HKA3R3B	50V 3.3U
C309	ECEA1HKA010B	50V 1U

Ref. No.	Part No.	Values & Remarks
C351	ECEA1CKA100B	16V 10U
C352	ECBT1E223ZF	25V 0.022U
C353	ECEA1HKA2R2B	50V 2.2U
C361	ECEA1CN470SB	16V 47U
C371	ECEA0JKA221B	6.3V 220U
C381, 382	ECBT1E103ZF	25V 0.01U
C397, 398	ECBT1E103ZF	25V 0.01U
C451	ECEA1CKA100B	16V 10U GC, GN
C501, 502	ECA1HAP3R3B	50V 3.3U
C503, 504	ECBT1H331KB5	50V 330P
C505, 506	ECBT1H6R8K5	50V 6.8P
C507, 508	ECBT1H102KB5	50V 1000P
C509, 510	ECA1HAP3R3B	50V 3.3U
C511, 512	ECBT1H821KB5	50V 820P
C513	ECA1HAP330B	50V 33U
C514	ECA2AAP100B	100V 10U
C515, 516	ECBT1H104ZF5	50V 0.1U
C551	ECBT1C472KR5	16V 4700P GC, GN
C552	ECBT1C222KR5	16V 2200P GC, GN
C553, 554	ECEA1HKA3R3B	50V 3.3U GC, GN
C555	ECEA1HKA2R2B	50V 2.2U GC, GN
C556	ECEA1HKA010B	50V 1U GC, GN
C557, 558	ECA1VM101B	35V 100U GC, GN
C559, 560	ECQV1H473JM3	50V 0.047U GC, GN
C561	ECA1EM221B	25V 220U GC, GN
C562	ECEA1HKN010B	50V 1U GC, GN
C563	ECQV1H104JM3	50V 0.1U GC, GN
C571	ECEA0JKA101B	6.3V 100U
C599	ECBT1C103MS5	16V 0.01U E, EB, EG
C601	ECEA0JU102	6.3V 1000U
C602	ECBT1E103ZF	25V 0.01U
C603	ECEA1CKA100B	16V 10U
C604	ECEA1HKA3R3B	50V 3.3U
C605	ECEA1VKA100B	35V 10U
C607	ECEA1HKA010B	50V 1U
C608	ECEA1HKAR22B	50V 0.22U
C609, 610	ECBT1E103ZF	25V 0.01U
C611	ECBT1H102KB5	50V 1000P
C612	ECBT1E223ZF	25V 0.022U
C620	ECEA1HKA010B	50V 1U
C621, 622	ECBT1H200JC5	50V 20P
C698, 699	ECBT1E103ZF	25V 0.01U
C701, 702⚠	ECA1HM332B	50V 3300U E, EB, EG
C701, 702⚠	ECEA45V472YB	45V 4700U GC, GN
C703, 704	ECEA1CKA330B	16V 33U
C705	ECQB1H223JF3	50V 0.022U
C706	ECKR1H103ZF5	50V 0.01U
C707 ⚠	ECA1HM221B	50V 220U
C708	ECEA1CKA100B	16V 10U
C709	ECBT1E103ZF	25V 0.01U
C710 ⚠	ECA1HAP330B	50V 33U
C711	ECQE1104KF3	100V 0.1U
C712	ECBT1E223ZF	25V 0.022U
C714, 715	ECKR1H103ZF5	50V 0.01U
C801, 802	ECBT1H470J5	50V 47P
C803	ECBT1H104ZF5	50V 0.1U
C810	ECBT1H470J5	50V 47P
C811	ECBT1E103ZF	25V 0.01U
C821, 822	ECBT1H220J5	50V 22P
C905, 906	ECBT1H101KB5	50V 100P
C907, 908	ECBT1E223ZF	25V 0.022U
C911	ECKR1H102ZF5	50V 1000P
C1101, 1102	ECBT1E223ZF	25V 0.022U
C1103, 1104	ECBT1H102KB5	50V 1000P E, EB, EG
C1105, 1106	ECBT1H102KB5	50V 1000P
C1107, 1108	ECBT1E223ZF5	25V 0.022U GC, GN
C1111	ECBT1H102KB5	50V 1000P GC, GN

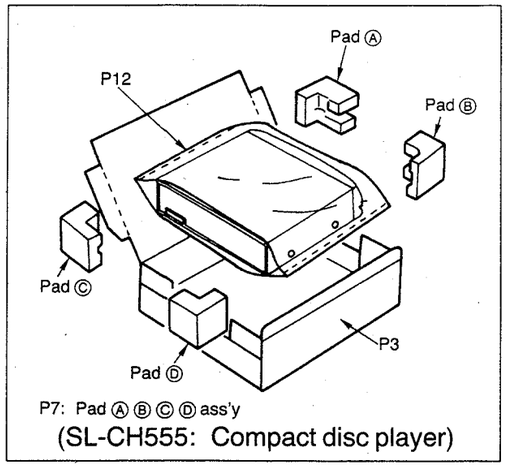
Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RHD30007	SCREW	
2	RKM0202A-1K	CABINET	
3	XTBS3+8JFZ1	SCREW	
4	RGW0152-K	KNOB, MAIN VOLUME	
5	RFKJACH550PK	BOTTOM BOARD ASS'Y	(E, EB, EG, GN)
5	RFKJACH655GC	BOTTOM BOARD ASS'Y	(GC)
5-1	RKA0055-N	FOOT	
6	RFKHACH655EK	REAR GRILL ASS'Y	(E)
6	RFKHACH655EB	REAR GRILL ASS'Y	(EB)
6	RFKHACH655EG	REAR GRILL ASS'Y	(EG)
6	RFKHACH655GC	REAR GRILL ASS'Y	(GC)
6	RFKHACH655GN	REAR GRILL ASS'Y	(GN)
7	RMC0158	TRANSISTOR HOLDER	
8	RMC0182	EARTH PLATE	(EG)
8	RMC0164	EARTH PLATE	(E, EB, GC, GN)
9	RMN0190	HOLDER(A)	
10	RMN0191	HOLDER(B)	
11	RMQ0260	HOLDER(L)	
12	RMQ0261	HOLDER(R)	
13	RMN0183-1	FL HOLDER	
14	RFKGACH655PK	FRONT PANEL ASS'Y	
14-1	RKW0225-K	FL PANEL	
15	RGU0768-K	BUTTON, POWER	
16	RGU0769B-K	BUTTON, INPUT SELECTOR etc.	(GC, GN)
16	RGU0769A-K1	BUTTON, INPUT SELECTOR etc.	(E, EB, EG)
17	XTBS26+8J	SCREW	
18	SHE187-2	P.C.B. SPACER	
19	SNE4021-1	NUT	
20	RJS1A5508	HOLDER, CABLE	
21	XTB3+12JFZ	SCREW	
22	XTB3+20JFZ	SCREW	
23	XTB3+8JFZ	SCREW	
24	XTWS3+10T	SCREW	
25	XTW3+15T	SCREW	
26	XTW3+8T	SCREW	
27	RWJ1808110XX	FLAT CABLE(8P) (J703)	
28	RMN0215	FAN ANGLE	
29	SYE1128-2	FAN ASS'Y	
29-1	SHE232	FAN	
29-2	SUS271	SPRING	
29-3	SHE233-1	FAN CASE	
29-4	MDN-4RB4MRC	MOTOR	
29-5	SHE234	CAP	
29-6	SJT783	TERMINAL	
29-7	SJS5215	CONNECTOR(2P)	
30	RMC0197	EARTH PLATE(TUNER PACK)	(EG)

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPG1448	PACKING CASE(SYSTEM)	(E, EG)
P1	RPG1449	PACKING CASE(SYSTEM)	(EB)
P1	RPG1450	PACKING CASE(SYSTEM)	(GC)
P1	RPG1451	PACKING CASE(SYSTEM)	(GN)
P2	RPG1312	PACKING CASE(AMPLIFIER)	
P3	RPG1437	PACKING CASE(CD)	
P4	RPG1314	PACKING CASE(PROCESSOR)	
P5	RPG1313	PACKING CASE(DECK)	
P6	RPN0619	PAD(AMPLIFIER)	
P7	RPN0681	PAD(CD)	
P8	RPN0621	PAD(PROCESSOR)	
P9	RPN0620	PAD(DECK)	
P10	RPQF0047	ACCESSORY BOX	
P11	XZB22X20C03	PROTECTION COVER	
P12	XZB45X50A01Z	PROTECTION COVER	
		ACCESSORIES	
A1	RAK-SC003WH	REMOTE CONTROL TRANSMITTER	
A1-1	RKK0020-K	BATTERY COVER	
A2	RFKSACH655EK	INSTRUCTIONS MANUAL ASS'Y	(E)
A2	RQT1770-B	INSTRUCTIONS MANUAL	(EB)
A2	RFKSACH655EG	INSTRUCTIONS MANUAL ASS'Y	(EG)
A2	RFKSACH655GC	INSTRUCTIONS MANUAL ASS'Y	(GC)
A2	RQT1770-B	INSTRUCTIONS MANUAL	(GN)
A3	RQA0013	WARRANTY CARD	(E, EB, EG)
A3	RQX7433ZA	WARRANTY CARD	(GN)
A4	RQCB0169	SERVICE CENTER LIST	
A5	REX0462	FLAT CABLE(15P)	
A6	RJA0019-2K	AC POWER SUPPLY CORD	(E, EG, GC)⚠
A6	VJA0733	AC POWER SUPPLY CORD	(EB)⚠
A6	SJA173	AC POWER SUPPLY CORD	(GN)⚠
A7	SWXS257M	SPEAKER CORD	
A8	RSA0007	FM INDOOR ANTENNA	(E, EB, EG)
A8	RSA0006	FM INDOOR ANTENNA	(GC, GN)
A9	SPB1163T	LW/MW LOOP ANTENNA	
A9-1	SMA233-1M	ANTENNA HOLDER	
A9-2	XTN3+10AFZ	SCREW	
A10	RJL1P001B25	SURROUND SP. CORD	(GC, GN)
A11	SJP9009	ATTACHMENT PLUG	(EB)⚠
A12	SJP5213-2	POWER PLUG ADAPTOR	(GC)⚠
A13	RQLA0134	LOCAL VOLTAGE CAUTION LABEL	(GC)

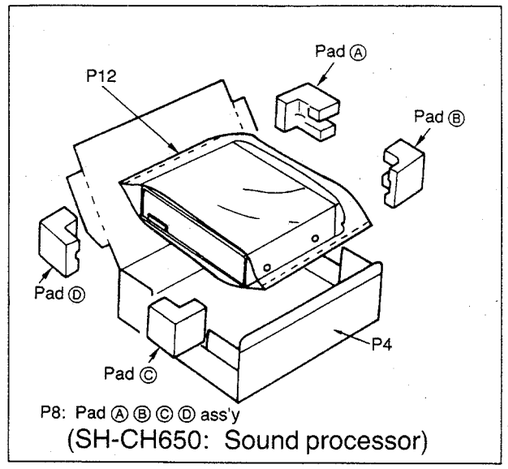
■ CABINET PARTS LOCATION



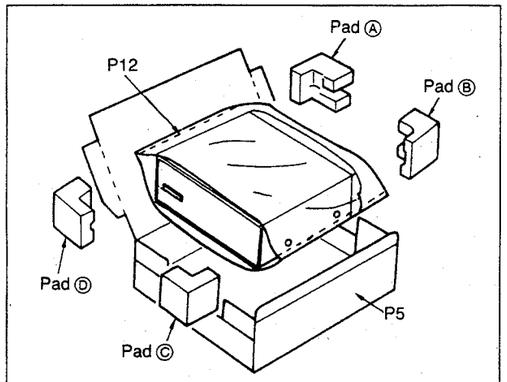
■ PACKAGING



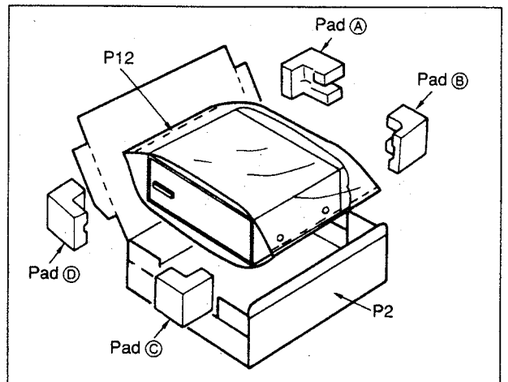
P7: Pad Ⓐ Ⓑ Ⓒ Ⓓ ass'y
(SL-CH555: Compact disc player)



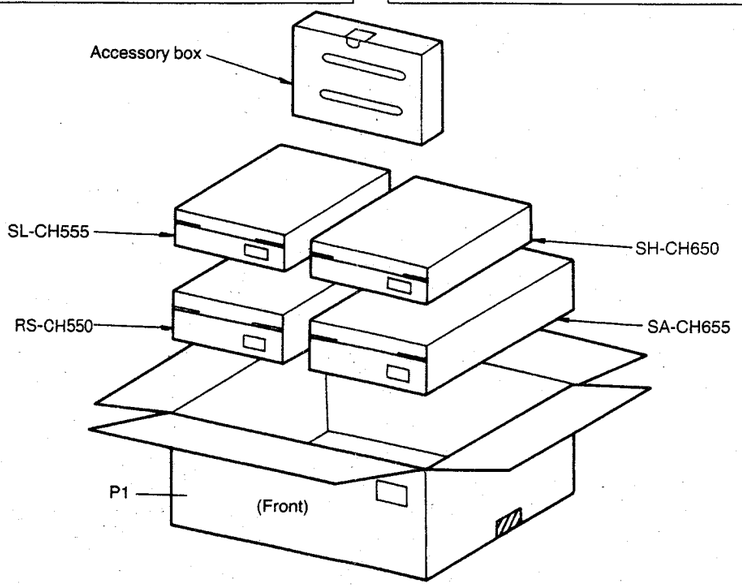
P8: Pad Ⓐ Ⓑ Ⓒ Ⓓ ass'y
(SH-CH650: Sound processor)

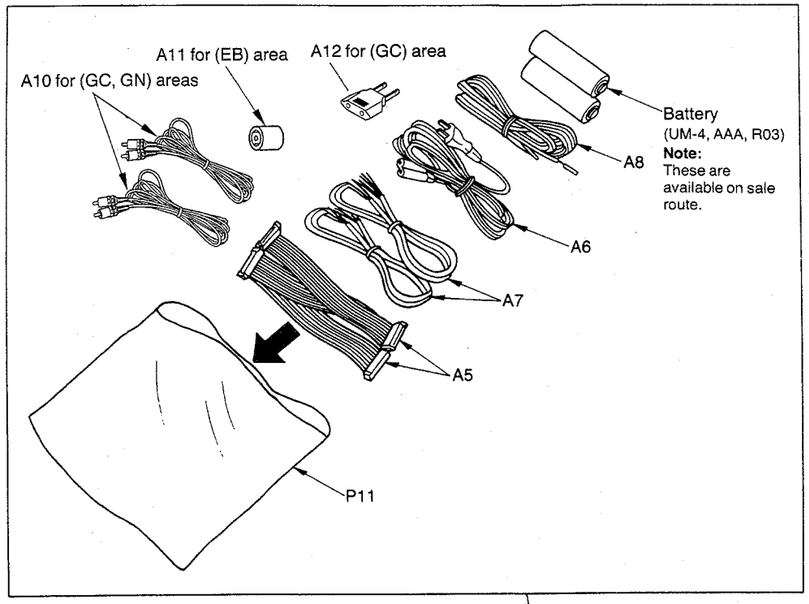


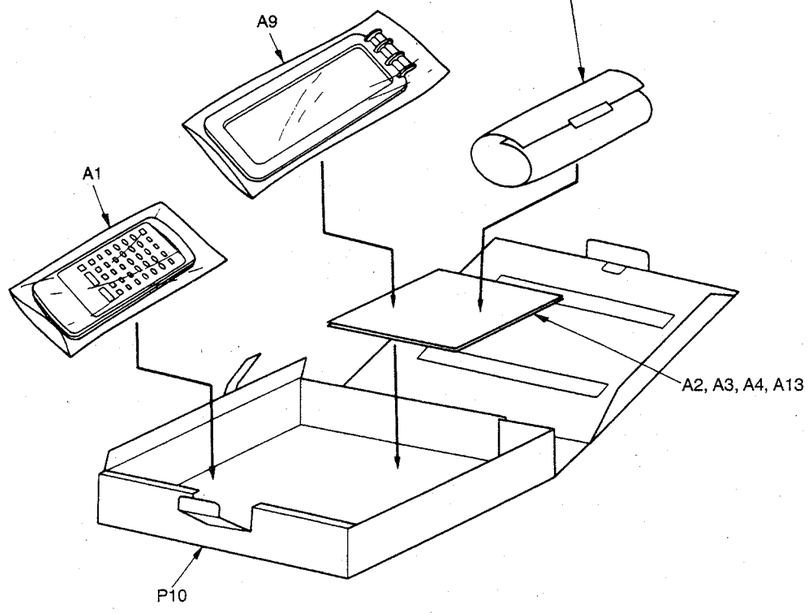
P9: Pad Ⓐ Ⓑ Ⓒ Ⓓ ass'y
(RS-CH550: Cassette deck)



P6: Pad Ⓐ Ⓑ Ⓒ Ⓓ ass'y
(SA-CH655: Tuner amplifier)







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